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On the Heterocera fauna of Lower Aras Valley in NE Turkey (Lepidoptera)

Muhabbet Kemal¹ Ahmet Ömer Koçak

Abstract: On the Heterocera fauna of Lower Aras Valley in NE Turkey (Lepidoptera). *Misc. Pap.* 186: 1-57, 21 figs, 26 maps.

This paper deals with the Heterocera fauna of Lower Aras Valley in NE Turkey. Totally 302 species of 24 families are listed alphabetically together with their synonyms and distributional information. Some faunistic and taxonomic remarks are added. The affinity of the faunal elements between Aras Valley and Central Asia is discussed.

Key words: Arctiidae, Cimetidae, Coleophoridae, Cossidae, Ctenuchidae, Drepanidae, Ethmiidae, Gelechiidae, Geometridae, Lasiocampidae, Lemoniidae, Lymantriidae, Noctuidae, Notodontidae, Oecophoridae, Psychidae, Pterophoridae, Pyralidae, Saturniidae, Sphingidae, Thyatiridae, Tineidae, Tortricidae, Zygaenidae, Heterocera, fauna, Kars, Iğdır, Aras, Arax, Turkey.



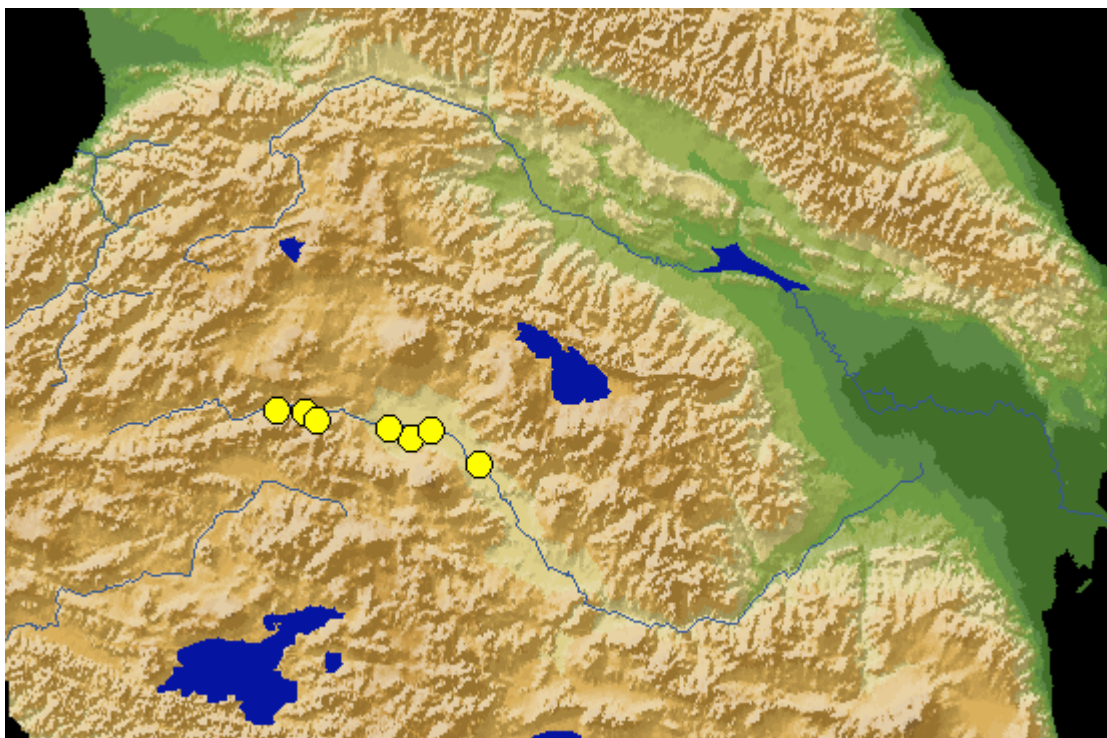
Fig. 1 – Ağrı Dağları, from Aras Valley (Gaziler), NE Turkey, Iğdır Province, 22.iv.2012, M.Kemal (Cesa)

¹ Dr Muhabbet Kemal, Van Yüzüncü Yıl University, Faculty of Science, Dept. of Biology, Campus, Van / Turkey.
e-mails: muhabbet_kemal@yahoo.com.tr - Prof. em. Dr Ahmet Ömer Koçak, c/o Van Yüzüncü Yıl University, Faculty of Science, Dept. of Biology. e-mail: cesa_tr@yahoo.com.tr

Aras valley gets its name from the river with the same name referred. The river flows along the Turkish –Armenian border, near Ağrı Mounts (**Fig. 1**) and it reaches the Caspian Sea along with Kura in Azerbaijan.

The Lepidoptera fauna of Aras Valley in Turkey has been the focus of attention of the authors since 1973. However, no research was carried out in a programmed manner for various reasons. Previous papers regarding the Lepidoptera of Aras Valley published by the authors are as follows: Kemal & Koçak, 2012, 2017, 2018, 2019; Koçak & Kemal, 2012; Koçak, 1977a, 1977b, 1979, 1980.

The Heterocera list of the species from the Lower Aras Valley given below is based upon the species recorded previously by the authors from the following places (with codes): Akçay 1100-1200m (36Db), Kağızman city 1400m (36Da) (Kağızman, Kars Province); Aralık DÜÇ 820-850m (76Ac) (Iğdır Province (76)), Iğdır city 850m (76Ba), Kent ormanı 960m (76Bb), Gaziler (=Kulp) 1075m (76Da), Gaziler 1100-1450m (76Dc), Gaziler 1700-1850m (76Dd), Tuzluca 1290m (76Dğ). The studying area, the Lower Aras Valley in NE Turkey is between Kağızman (Kars Pr.) and Aralık (Iğdır Pr.) (**Map 1**).



Map 1 – Lower Aras Valley in NE Turkey. Yellow markings denote approximate studying localities.

Earlier publication on the Heterocera (Lepidoptera) of Lower Aras Valley belongs to Romanoff (1884-1887). Localities, like Kazıkoparan, Kulp, Aralık are relatively better investigated places by the Russian lepidopterists in the last decades of 19. Century. In the last Century, mostly European collectors focused in the diurnal Lepidoptera. As mentioned above, in the last decades, the authors realized short, private excursions at irregular intervals to the studying areas for the purpose of observing and collecting diurnal and nocturnal Lepidoptera.

Aras Valley is an important region, due to its geographic situation, rich biological diversity, as well as interesting faunal elements closely related especially with the Central Asiatic ones. *Amata caspia*, *Eriogaster neogena*, *Armada clio*, *Drasteria picta*, *Drasteria rada*, and *Epipsammia cretacea* may be exemplified for this purpose (**Maps 11-13, 24**). We are of the opinion that this will increase to a significant number, provided that successful field works can take place.

Finally, we find the Heterocera diversity in the Aras Valley valuable; therefore we give importance to research as soon as possible. Our choice of priority areas will be about the Heterocera fauna of the halophytic vegetation.

List of the species

Totally 302 species of 24 Heterocera families, based upon the Info-Systems of the Cesa², are listed below in alphabetical order, together with their synonyms and distributional information (as codes)³. With a few exceptions, all the species mentioned have been identified by the authors. The material and the photographs are preserved in the Cesa Collection and the Archive.

Sometimes, butterflies may visit light traps in summer. Among them, *Polyommatus agestis* was an example during night collecting of the authors in Aras Valley (**Fig. 2**).



Fig. 2 – Male of *Polyommatus agestis* (Lycaenidae) at the light trap. NE Turkey, Kars Pr., Akçay 1200m, 1.vi.2010, M. Kemal (Cesa)

Arctiidae

1. *Arctia (Epicallia) villica* (Linnaeus, 1758)

Synonym(s): villica Linnaeus, 1758; corsica Oberthür, 1911; niceensis Oberthür, 1911; brittanica Oberthür, 1911; meridionalis Heinrich, 1923.

Range (in code): PT FR Co IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Rd TR LV LT RU Da Kus Kg Ur Cb Sb MD UA Cm BY Cc GG Bjo Lag AZ Kir Len Nv Ord AM IR SY Hal Ttu LB Bsa IL Pa He KK 01 03 04 05 06 07 10 14 15 16 17 19 21 22 23 26 27 29 31 32 33 34 36 37 39 42 44 46 48 55 56? 60 61 62 64 66 71 75 80 03C 03Ca 05A 05G 06B 06R 06Ra 06Rk 07B 07C 10D 10N 14I 14Ib 15C 16A 17E 17H 17M 19G 21N 21Nb 23M 26G 27D 31K 31Ka3 31Ka5 31Ka7 31M 33A 33Aa 33E 33P 34B 34S 36D 36De 37P 39H 42B 42D 43M 44E 44Ei 48L 55F 56F 56Fz 60C 61K 61Ka 62E 64B 73C 73A 73Ab 73Cd 75F 75Fe 80B 80Bb

2. *Arctia (s.str.) caja* (Linnaeus, 1758)

Synonym(s): caja Linnaeus, 1758; erinacea Retzius, 1783; phantasma Niepelt, 1905; lusitanica Spuler, 1906; confluens Rebel, 1910 nec Rom., 1884; rebeli Wnukowsky, 1929.

Range (in code): PT ES FR Co IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU BG GR TR DK NO SE FI EE LV LT MD UA Cm BY GG Bjo Tbl Mng Cc AZ Nv AM KG Ssn CN Ui Kml Hph Tek Kty KK TJ Pm Fe UZ AF PK Ch Snn IN Hp Dlh Up Alh Meg Khs IR Elb Mz Ar MN RU Sb Kmt Am Vv Tv To Mgd Ya Sj Ir Irk Ur Kr KP KR JP Clu Hkk Jn Lng Lvv US Cf Col Mai Ny Oh On Ut Ws Id Mch Mon Nh NCa Ne Org Vr Wc Wy Msc CA Abt BCo Qb Nbw 05 08 14 25 32 36 58 60 61 65 75 05A 08H 14I 14Ib 14H 25A 25F 25N 36D 58R 60C 75F 75Fj

3. *Axiopoena karelini* Ménétriés, 1863

Synonym(s): karelini Ménétriés, 1863; transcaucasia Sheljuzhko, 1926; manissadjiani O. Bang-Haas, 1927; maura auct.

² <http://www.cesa-tr.org/Infos.htm>

³ For the codes: Koçak, A.Ö. & M. Kemal, 2019: First updated geographical codes used in the publications of the Cesa. *Priamus* 17 (4): 319-360. For the free pdf file, URL Address in the Internet Archive: <https://archive.org/details/CentreForEntomologicalStudiesAnkaraPriamus174>

Range (in code): Cc GG Btm Tbl Abk Sok TR AM Mig AZ Nv IQ Rwz Brs IR Bzg Ab Lo Km Kz Bk By Es Fa Shr 08 13 21 24 25 30 36 44 56 62 65 72 76 08A 08H 13F 13F35 24E 25R 30D 30Dx 36D 44L 56F 56Fn 62E 65D 65Df 76A 76Ac
Cf. De Freina (1993:111).

4. *Euplagia quadripunctaria* (Poda,1761)

Synonym(s): quadripunctaria Poda,1761; hera Linnaeus,1767; magna Spuler,1910 nec Hol.,1897; latefasciata Bubacek,1915.

Range (in code): PT ES FR Co Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd CY TR LV LT RU Ur VI Pt MD UA BY SY LB Bsa IR Ak Gh Mz Ar GlS Se Kh Cc AM Dar AZ Adz Kir GG Bjo Lag Mng Tbl TM Kp 01 05 06 07 08 09 13 14 16 21 25 29 31 33 34 35 36 41 45 46 48 51 52 53 56 58 60 62 65 75 78 05A 05E 06R 06Re 06Rd 07A 07B 07Bb 07O 08H 09K 09M 13G 13G1 13Gü 13Gw 13F 13F38 14B 14Bb 14I 14Ib 16A 16C 16F 21N 21Nb 25F 25R 29D 29F 31K 31Ka 31M 33A 33Aj 34B 34S 35O 36C 36D 41F 46G 46Gf 48D 52H 56F 58I 60H 60Hb 62H 65A 65Ai 65D 65F 65Fm 75F 75Fa 78D 78Da

5. *Euplagia splendidior* (Tams,1922)

Synonym(s): splendidior Tams,1922; tkatshukovi Sheljuzhko,1935. Range (in code): IR Ab Oru Kd Mrv Km Il By Es Lo Fa Shr Ma IQ Rwz Shq Mos TR Cc AM Eri Ink AZ Nv Ord 13 30 36 56 62 65 73 76 13A 13Ac 13Ac1 13Ax 13F 13F38 13F7 13F71 30B 30Ba 30Bc 30Bf 30Bg 30Bh 30Bj 30Br 30Bz 30C 30Cd 30D 30Db 30Dp 30Df 30Dt 36C 36D 36Db 36Dd 56F 56Fa 56Fc 56Fx 65A 65Ai 65Am 65Am4 65Ac 65Ac3 65D 65Df 65Dm 65F 65Fc 65Fp 65Fz 65K 65Kp 65Kl6 65Z 65L 65Lb 65Le 65N 65Np 65Nr4 65Nm 73A 73Ad 73D 73Df 73Dg 76C

6. *Manulea (s.str.) complana* (Linnaeus,1758)

Synonym(s): complana Linnaeus,1758; ochrocephala Fourcroy,1785; sericea Gregson,1860; molybdeola Guenée,1861; balcanica Daniel,1939.

Range (in code): FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR CY TR DK NO SE FI EE LV LT RU MD UA Lvv BY Cc GG Bjo Smt Mng Dar AM Da Der KG Lps IR GlS Ui Kön 05 06 08 14 16 18 25 33 34 36 39 44 46 58 65 75 05A 06R 06Rb 06Re 08H 14B 16A 18F 25F 33A 33Ac 34A 34S 36D 36F 39H 44I 44Ic 58G 58Gi 65A 65Ac 65Ac3 65D 65Df 75F 75Fe

7. *Manulea (s.str.) pseudocomplana* (Daniel,1939)

Synonym(s): pseudocomplana Daniel,1939

Range (in code): ES FR IT CH AT CZ SK HU YU BG GR TR Cc IR Kh 06 13 16 25 29 36 42 46 56 62 06R 06Re 13F 13F71 16A 25F 29A 29Ac 36D 36F 42B 56F 62E

8. *Phragmatobia fuliginosa* (Linnaeus,1758)

Synonym(s): fuliginosa Linnaeus,1758; fervida Staudinger,1871 nec Walk.,1855; lurida Rothschild,1910; monticola Daniel,1970 nec Reiss.,1934

Range (in code): AET DZ MA TN PT ES FR Co Sa Si IT MT IS IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR IR Elb Th Mz Kdj GG AZ Kir AM LB Bei IQ JO IL Hf DK NO SE FI EE LV LT RU Sr MD UA BY AF Bark TJ KK Ik KG Ssn CN Ts Kno Gn Ti Ui Ku Kön UZ Fe Bd Hr Gbh Fz Srb Pli Dw Cc Smt Bjo Tbl Mng Da Der IQ SY Sc CA On Mai Wc BCo NCa Mnt Ssk Vc Yuk Ts B-B Ab Khy Oru Ak Aha Gh Mz GlS Kh Kd Bne Km Fa Pag Kön PK Gg Hu Psu Khh DhM Anna Lvv 01 05 06 07 12 13 14 16 19 22 24 26 30 31 32 33 34 35 36 42 44 46 50 52 53 55 56 61 65 71 72 76 05A 06D 06F 06K 06Kb 07C 07O 12A 12Aa 13A 13Ab 13Ax 13F 13F25a 13F35 14B 14Bb 16A 16E 19P 22A 26K 30A 30Ad 31K 31Ka 33F 33P 34P 34R 34Rb 34S 36D 44L 44Lb 46D 51B 51Ba 52H 53L 55D 55F 56A 56Aa 56C 56Cc 56F 56Fo 61L 65N 65Np 65Nm 72F 72Fa 73D 73Dd

9. *Setina aurata* (Ménétriés,1832)

Synonym(s): aurata Ménétriés,1832; #pontica Draudt,1933; pontica Schwingenschuss,1939

Range (in code): TR GG Bjo Aba Smt Lag Cc AZ Len AM 06 08 14 25 36 53 75 76 06R 06Rb 06Re 08G 14B 14Bb 25C 25Ca 25F 36D 53B 53N 75F 76C

10. *Tyria jacobaeae* (Linnaeus,1758)

Synonym(s): jacobaeae Linnaeus,1758; senecionis Godart,1823; confluens Schultz,1908.

Range (in code): PT ES FR Co Sa Si IT IS IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR DK NO SE FI EE LV LT RU MD Cm UA BY GG Lag Der Da Cc AZ AM Nv Sb KG Lps UZ KK KG TJ Ui CA BCo US Cf Org TS NZ AU 04 05 06 07 13 16 19 23 25 29 30 34 36 48 60 65 71 04D 04Da 04I 04Ia 05A 06A 06Aa 06K 06Kc 06R 06Ra 06Rd 07C 13G 13Gw 13Gs 16A 19P 23M 25A 25D 29C 30B 30Bd 30Bg 30Bz 30D 30Da 34S 36D 60H 65A 65Am 65Am1 65Am4 65Bx 65G 65Ge

11. *Utetheisa (s.str.) pulchella* (Linnaeus,1758)

Synonym(s): pulchella Linnaeus,1758; pulchra [Denis & Schiffermüller],1775; thyter Butler,1877; shyama Bhattacharjee & Gupta,1969; menoni Bhattacharjee & Gupta,1969.

Range (in code): CV Az PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Rd Cr TR DK LV LT RU MD UA BY IL Pa Hf IR Kz Ss Kd Ke CY GG AZ Len Cc AM KG ZR ZA Ec Nta Kzu Gau Pre Spb Mdk Ent Tva Lpo AF Ca Kab Asm Nu Bsg Ui GP IQ Agh TH CMA Knc Sbu Ab Oru Gh Mz Kh GlS Se Th Qz Kd Bne Mrv Snj Lo Km Il Es Yz By Bk Fa Ke Ss Hz Bu Kz Tbl Bjo Smt Lag Der Da Bak Len PK Nwf Pes Bt Skd Bl Cp SO IN Cn Md ID Ja VN LK Cob Pdy Dck AU Bhh SO Zai YE Ad MA DZ TN Afl Ess Tun Tgr Khh BtNa Ktr BSA Gha Dje Ges Agi Gle Hdd Bsk Ah Ajj

01 05 07 13 16 21 30 31 33 36 44 46 47 48 56 58 63 65 73 80 01F 01H 05A 07B 07M 13G 13Gg 13F 16A 21F 30B 30Bç2 30Bh 30Bz 31K 31Ka 31Ka5 33F 36D 36Db 44I 44Ic 44L 44Lb 44Lc 47D 56A 56F 56Fh 58N 63B 63Ba 63D 65A 65Am 65Am4 65F 65Fe 65K 65Kl6 65Z 65N 65Np 65Nm 73D 73Db 80A

12. *Watsonarctia deserta* (Bartel, 1902)

Synonym(s): casta Esper, [1784] nec Pall., 1771; deserta Bartel, 1902; sibirica Kozhantschikov, 1924; callesi Gomez-Bustillo, 1979; esperi Koçak, 1980

Range (in code): ES FR IT DE CH AT PL CZ SK HU RO YU AL BG GR AM Alg Cc TR IR Elb Mz RU Or MD UA BY KG Sb Pe At Mnu Kj Ir MN Ui Ju 13 24 25 36 38 60 66 13G 13Gw 13Gs 25A 25T 36D 36F 38H 60C

See also: De Freina (1999).

Cimeliidae

13. *Axia (Epicimelia) theresiae* (Korb, 1900)

Synonym(s): theresiae Korb, 1900

Range (in code): TR Cc IR Ab Oru SY Hal IQ 06 13 24 29 30 36 42 44 49 50 58 65 70 73 76 06A 06Aa 06C 06Cb 06N 13G 13Gt 13Gw 13Gs 13F 13F35 29F 30B 30Ba 30Bc 30Bc2 30Be 30Bt1 30Bz 30Bh 30Bj 30Bj1 30C 30Cb 30D 30Da 30Dt 36D 36Da 36Db 42R 44E 44Ei 44F 44Fa 49F 49Fb 58G 65A 65Ai 65Am1 65Am4 65An 65D 65Dl 65Ds 65Dt 65F 65Fe 65Fp 65Fz 65Fm 70D 73C 73Cd 76A

Remarks: Amsel (1979) described ssp. *shelhornae* from NW Iran and NE Turkey. Its holotype comes from “Rezaiyeh” (NW Iran), while the paratypes from “2♂♂: NE-Türkei, Kars, Kazigman [sic] 1400m, 20.v.1973 leg. & in coll. Koçak”.

Coleophoridae

14. *Coleophora albiochrella* Toll & Amsel, 1967

Synonym(s): albiochrella Toll & Amsel, 1967 Range (in code): AF Kab Pag IR Ak Mrd TR AM Cc 36 36D

15. *Coleophora alcyonipennella* (Kollar, 1832)

Synonym(s): alcyonipennella Kollar, 1832; cuprariella Zeller, 1847; praticolella Zeller, 1849; cuprifulgella Toll, 1962

Range (in code): MA PT ES FR Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc LB Ghz IQ Hjo Ry IR Elb Th Kh Msh Ab Mak AF Nu Pag Kab Bd PK Swa Mdy DK NO SE FI EE LV LT RU MD UA BY JP NZ AU NSw Syd KK Ui Ku Um 05 06 12 14 16 33 34 36 41 46 53 55 76 05A 12A 12Ab 14I 14Ib 16A 36D 55E

16. *Coleophora denigrella* Gerasimov, 1930

Synonym(s): denigrella Gerasimov, 1930

Range (in code): AF Hr UZ TM TR 76 76A 76Aa 76B

17. *Coleophora tringella* Baldizzzone, 1988

Synonym(s): tringella Baldizzzone, 1988

Range (in code): KG Uk TR RU Ur 36 38 36D 38G 38Ga

Cossidae

18. *Dyspessa salicicola* (Eversmann, 1848)

Synonym(s): salicicola Eversmann, 1848

Range (in code): RO MK BG GR TR Cc GG Tbl Akh Smt Kak Akk AM Eri UA Cm RU Ur Sr IR Mz GlS TM Kp Mrw KG Ui Kml Mng Kir Der Da AZ 04 06 10 17 22 33 36 39 65 76 04I 06R 06Ra 10D 36D 36F 65D 65Dg 65N 65Nr2 65Nm 76C

See: De Freina (1993).

19. *Dyspessa zurvan* Yakovlev, 2008

Synonym(s): zurvan Yakovlev, 2008

Range (in code): TR IR Ab Khy 76 76A 76Ac

20. *Paracossulus thrips* (Hübner, [1818])

Synonym(s): thrips Hübner, [1818]; fuchsiana Eversmann, 1832; kindermannii Freyer, 1836.

Range (in code): PL HU RO BG RU Da Der Ur Sr KG Uk TR GG Tbl Cc AZ Kir 30 36 65 76 30D 30Da 30Dp 36D 65K 65Kd 65Kg 65Kz 76C

See: De Freina (1993).

Ctenuchidae

21. *Amata caspia* (Staudinger, 1877)

Synonym(s): *caspia* Staudinger, 1877; *#caspica* Romanoff, 1884; *minuta* A. Bang-Haas, 1910 nec Bsd., 1833; *martinierici* Bryk, 1941; *banghaasi* Obratzsov, 1966; *minutissima* Obratzsov, 1966; *schachti* De Freina, 1994

Range (in code): Cc AM Eri AZ Len TR Arr TM Kp Mrw KG Tk Ssn DsA Tk Dj Ii UZ Fe T-S Aa Tk KK Ik MN Ui Um Au Gn Ts Kno RU Ao Ur Pja Da Der Sb IQ AF 36 76 36F 76A 76Aa 76B

See also: De Freina (1994).

22. *Callitomis dimorpha* Bytinski-Salz, 1939

Synonym(s): *dimorpha* Bytinski-Salz, 1939; *#nigerrima* Bytinski-Salz, 1939

Range (in code): Cc TR Arr 76 76 76A

No specimen has been collected by the authors so far.

23. *Dysauxes (Adauctis) punctata* (Fabricius, 1781)

Synonym(s): *punctata* Fabricius, 1781; *serva* Hübner, [1803]; *confamula* Hübner, [1803]; *ochrea* Millière, 1876

Range (in code): MA DZ TN PT ES FR Co Si IT BE LU CH AT PL CZ SK HU RO RU MD UA BY TR AZ Da Nv Ord Kir Der Len Cc GG Tbl Smt Bjo 01 17 25 36 42 55 56 75 76 01H 36D 36Dd 56F 56Fp 75F 75Fa 76C

Drepanidae

24. *Cilix asiatica* A. Bang-Haas, 1907

Synonym(s): *asiatica* A. Bang-Haas, 1907; *depalpata* Strand, 1913

Range (in code): GG Smt Akh Cc AM AZ Len UA Cm TR IL Hf Pa LB Bsa IR Elb IQ AF Srb Bsg 05 06 07 10 12 13 17 21 30 31 33 36 42 44 45 46 47 49 50 56 58 60 65 71 73 05A 06R 06Rb 07A 07C 13F 13F7 13F71 17M 21N 21Nh 30B 30Bh 30Bt1 30Bz 30D 30Df 31K 31Ka 36D 36Db 44E 44Ei 49E 49Ea 56F 58N 60G 65A 65Ai 65An 65Am 65Am4 65D 65Ds 65F 65Fp 65Fz 65N 65Np6 65Nm 73C 73Cd

See also: De Freina (1994).

Ethmiidae

25. *Ethmia bipunctella* (Fabricius, 1775) (Map 2)

Synonym(s): *bipunctella* Fabricius, 1775; *echiella* [Denis & Schiffermüller], 1775; *hochenwartiella* Rossi, 1790; *griseicostella* Wiltshire, 1947; *euphoria* Kun, 2007

Range (in code): Cn MA DZ TN PT ES FR Co Sa Si IT MT GB BE NL LU DE CH AT PL CZ SK HU RO YU ME Ctn AL GR Cr CY TR DK NO SE FI EE LV LT RU Kb MD UA BY KG Uk IL Pa Hf Js IR Elb Th Km Kd Zj Kh IQ Shq LB Bsa Cc AM 04 05 06 16 20 30 35 36 42 46 56 60 65 71 76 04D 04Db 05A 16A 30B 30Bg 30Bz 36D 36Db 56A 56F 56Fm 60G 65N 65Nm 76D 76Da

Remarks: This species was recently reported by the authors from Gaziler (76Da) as new provincial record from Iğdır Pr. (NE Turkey) (Kemal & Koçak, 2019).

26. *Ethmia candidella* (Alpheraky, 1908) (Map 3)

Synonym(s): *candidella* Alpheraky, 1908; *orientella* Caradja, 1931.

Range (in code): MA DZ TN PT ES FR IT CH AT CZ SK HU RO YU GR TR IL Jt Pa GG AM Cc IQ Bgd IR Fa Shr Elb Mz RU MD UA BY KG Tk KK UZ 13 16 21 30 36 42 46 65 71 73 13A 13Ab 13Ax 13F 13F22 13F25 13F8 21N 21Nb 30B 30Bç1 30Bç2 30Bt1 30Bz 30D 30Df 36D 36Db 65A 65Am 65Am4 65D 65Df 65F 65F1 65Fp 65Fz 65K 65Kl6 65Z 65N 65Np 65Np7 65Nm

27. *Ethmia dodecea* (Haworth, [1828]) (Map 4)

Synonym(s): *decemguttella* Hübner, [1810] nec Fabr., 1794; *dodecea* Haworth, [1828].

Range (in code): ES FR IT GB BE NL DE CH AT PL CZ SK HU RO YU B-H TR DK SE EE RU Ur Tt Ao Sb At Ya MD UA BY IR Elb Th KG Uk PK Nwf 05 14 76 05A 76D 76Da

Remarks: This species was recently reported by the authors from Gaziler (76Da) as new provincial record from Iğdır Pr. (NE Turkey) (Kemal & Koçak, 2019).

Gelechiidae

28. *Microcraspedus deserticolella* (Staudinger, 1871)

Synonym(s): *deserticolella* Staudinger, 1871; *albocapitella* Rebel, 1928; *buvati* Povolny, 1992

Range (in code): TR RU Ur Sr IR Elb Shr Th Ab Oru CY GR MT UA Cm AF Hr o6 76 o6R o6Y 76A

29. *Mirificarma eburnella* ([Denis & Schiffermüller],1775) (Map 5)

Synonym(s): eburnella [Denis & Schiffermüller],1775; formosella Hübner,1796 nec [Denis & Schiffermüller],1775; flammella Hübner,[1825]; rufeiformosella Bruand,1859.

Range (in code): DZ Agi Orn Cst PT ES FR Co Sa Si IT MT BE DE CH AT PL CZ SK HU RO HV B-H MK YU AL BG GR Cr Rd TR SY IL Pa Hf LB Cc AM CY RU MD UA BY US Cf 16 33 36 16A 36D 36Db

30. *Nothris congressariella* (Bruand,1858)

Synonym(s): congressariella Bruand,1858; declaratella Staudinger,1859

Range (in code): Cn TN Gf ES FR Sa Si IT GB CH SS Nno MK HV YU GR Cr IL Pa Hf TR o5 31 36 42 66 69 31M 36D 36Df 66F 69B 69Ba

31. *Nothris radiata* (Staudinger,1879)

Synonym(s): radiata Staudinger,1879 Range (in code): TR o5 o8 25 36 38 42 50 65 o5A 25A 36D 36F 36Fb 42B 42K 50G 50Gd 65G 65Gb

32. *Pexicopia malvella* (Hübner,[1805]) (Map 6)

Synonym(s): umbrella auct.; malvella Hübner,[1805]; lutarea Haworth,1828

Range (in code): DZ PT ES FR Sa Si IT GB BE NL LU DE Bw CH AT PL CZ SK HU RO YU BG GR TR Cc Da Der IL DK NO SE FI EE LV LT RU Ur Sb Mo MD UA BY IR GlS KG Uk o5 o6 30 65 76 o5A o6R 30D 30Df 65A 65Am 65Am1 65Ac 65Ac3 76A 76B

Remarks: Two male genitalia of this species (GP2600, GP2729) were illustrated by the authors from Van and Hakkari Provinces (Kemal & Koçak, 2017b; Kemal, Koçak & Uçak, 2018). Doğanlar (1985) reported this species as a serious pest on Cotton in the Iğdır plain.

Geometridae

33. *Abraxas (s.str.) grossulariata* (Linnaeus,1758) (Map 7)

Synonym(s): grossulariata Linnaeus,1758; cuneifera W.Warren,1895; memorabilis Inoue,1946

Range (in code): PT ES FR Co IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG Mng Bjo Smt Kir AZ AM DK NO SE FI EE LV LT RU Am Sj KG DsA KK CN Ts MD UA BY KP KR JP 36 36D 36Da

34. *Amorphogynia necessaria* (Zeller,1849)

Synonym(s): necessaria Zeller,1849; inversarius Rebel,1903; grupchei Carnelutti,1986

Range (in code): BG Slv MK GR TR Cc GG Tbl Bjo Bku Kir AZ o5 o6 o9 34 42 45 65 71 76 o5A 42B 76A 76Aa 76B 76Bb

35. *Camptogramma bilineatum* (Linnaeus,1758)

Synonym(s): bilineata Linnaeus,1758; brocatella Fourcroy,1785; dumetata Schrank,1802; bilinearia Boisduval,1840; musauria Freyer,1846; testaceolata Staudinger,1871

Range (in code): MA TN DZ Orn Clo PT ES Mu FR Co Si IT MT IE GB Sc Sht BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd TR AZ IQ IR Ab Oru Msw Ak Jal Fa Sse Mz GlS Kh DK NO SE FI EE LV LT RU Ur At MD UA Cm BY AZ Kir Cc AM GG KG TM Kp IL Pa LB Bsa o1 o2 o5 o6 10 13 14 16 17 18 21 22 23 28 30 33 34 35 36 38 39 42 44 45 46 48 52 56 57 59 60 65 73 75 80 o1B o1D o1K o2F o2Fc o2Fz o5A o6R o6Rb o6Rd 10K 10Ka 13A 13Ab 13Ax 13C 13Cç 13F 13F25 13F8 13G 13Gd 13Gg 16A 21L 21Lf 28N 30B 30Bç 30Bç2 30Bt1 30Bz 30D 30Df 30Dx 31D 33G 33R 36D 36Db 44F 44Fb 44L 44Lc 44O 44Oi 48G 48D 52A 52G 52Gb 56C 56Cc 56F 56Fa 56Fc 56Fe 56F1 56Fb 56Fç 57E 60G 65A 65Ai 65Au 65At 65At2 65B 65Bn 65Bn1 65D 65Dl 65Dlc 65Do 65Doa 65F 65Fd 65F1 65Fz 65L 65Le 65N 65Np 65Nm 73A 73Ad 73Ad2 73D 73Df 75F 75Ff 80B 80Bc

36. *Cataclysme riguata* (Hübner,[1813])

Synonym(s): riguata Hübner,[1813]

Range (in code): PT ES FR Co Si IT BE NL DE CH AT PL CZ SK HU RO YU AL BG GR TR AZ AM LT RU Tv MD UA BY IR Elb Mz Th AF TM Kp TJ T-S Ur Am Cm Cc GG Kir AZ AM KK Ax Osh Uzg KG Ssn At Lps UZ Smk Nmg Al Ui Ku Kön o5 o6 13 14 16 24 36 38 42 50 58 65 71 76 o5A 13F 13F71 16A 36D 36Db 50G 58N 65A 65Ai 65Am 65Am4 76B 76Bl 76C 76D 76Da

Remarks: This species was recently reported by the author from Iğdır Pr. Güngörmez 2510m (76Bl) (Kemal & Koçak, 2018).

37. *Chiasmia clathrata* (Linnaeus,1758)

Synonym(s): clathrata Linnaeus,1758; almacola Wehrli,1934.

Range (in code): MA DZ PT ES FR Co Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG AZ AM DK NO SE FI EE LV LT RU MD UA BY CN Ui Ju Kun li KG Ssn Lps o2 o5 o6 10 13 14 16 18 21 22 30 31 33 34 36 42

46 49 50 56 65 71 75 76 80 81 02F 02Fd 02Fz 05A 06R 06Rb 10K 10Ka 13F 13F22 13F41 13Gö 13Gğ 16A 18F 21N 21Nb 21Nc 21Nh 30B 30Bb 30Bk 30D 30Df 31D 36D 36Da 36Db 49E 49Ea 49F 49Fb 56F 56Fg 65A 65Ai 65D 65Ds 65Dt 65F 65Fb 75F 75Fb 75Ff 76D 76Da 80B 80Bc

Remarks: The female genitalia and the tympanal organ (GP2314) of this species were illustrated by the authors from Akçay (36Db) (Kemal & Koçak, 2019).

38. *Ellicrinia cordiaria* (Hübner, 1790)

Synonym(s): cordiaria Hübner, 1790

Range (in code): AT SK HU RO YU BG GR RU MD UA BY TR Cc AZ Nv AM GG Lag Kir Ord Der Da IQ Dk IR FA Sse IN Kul Hp 01 02 05 06 09 13 14 16 18 22 24 30 36 38 42 44 45 46 51 56 58 59 61 65 71 73 76 01B 01H 02F 02Fe 02Fz 13F 13F38 13F7 13F71 16A 18F 30B 30Bc 30Bc 30Bc1 30Bc5 30Bz 30D 30Df 36D 36Db 38K 42B 46G 46Gf 56F 56Fn 58N 61K 65A 65Ai 65Am 65Am2 65Am4 65An 65F 65Fm 65H 65Hb 65N 65Np6 65Nm 73A 73Ad1 76D 76Da

39. *Ellicrinia subcordaria* (Herrich-Schäffer, [1852])

Synonym(s): tritomata Fischer de Waldheim, 1840; subcordaria Herrich-Schäffer, [1852]; anicularia Eversmann, 1852; freitagaria Möschler, 1854; subcordata Herrich-Schäffer, 1861.

Range (in code): TR IR Kz Fa Com RU Ur Ui Khr Ku Ga Sjd KK Ik KG Bks Ket Tui Ssn Tk Dj Ii UZ Fe 65 76 65F 65Fr 76A 76Ac

40. *Ellicrinia trinotata* (Metzner, 1845)

Synonym(s): trinotata Metzner, 1845

Range (in code): CH SK HU RO YU AL BG GR TR Cc AM RU 05 06 16 21 22 34 38 39 42 45 59 71 76 05A 16A 21N 21Nb 21Nh 42B 76B 76Bb

41. *Eupithecia breviculata* (Donzel, 1837)

Synonym(s): breviculata Donzel, 1837; anatolica Schwingenschuss, 1939 [ssp.]; georgica Vojnits, 1977 [ssp.]

Range (in code): MA DZ Onç TN PT ES FR Co Sa Si IT MT DE CH HU RO YU AL BG GR Cr Rd TR Cc AZ Lag Kir Len Nv SY RU UA IL Pa CY JO IR Mz TM Kp Da 01 02 05 06 10 14 16 17 21 30 31 35 36 39 42 46 56 65 71 80 01D 01G 01H 01J 02F 02Fd 02Fz 05A 06R 10K 10Ka 16A 21N 21Nb 21Nc 21Nh 30B 30Bc 30Bc5 30Bc 30Bt1 30Bz 30D 30Df 31M 36D 36Db 42B 56F 65A 65Am 65Am4 65At 65At5 65D 65Dg 65F 65Fg 65Fp 65Fz 65L 65Le 80B 80Bc

42. *Eupithecia oblongata* (Thunberg, 1784)

Synonym(s): #centaureata [Denis & Schiffermüller], 1775; oblongata Thunberg, 1784; boloniensis Fourcroy, 1875; centralisata Staudinger, 1892; chinae Vojnits, 1977.

Range (in code): MA DZ Ges TN PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd CY TR Cc GG Tbl Kir Lag AM AZ DK NO SE FI EE LV LT RU Da Us MD UA BY KG TrA Ssn Tk Ui Ku Stg Kwa IL Pa Car Jf LB Bsa PK Ch IN Ld Gg KK Ax UZ Smk AF Nu Bd TW 01 05 06 14 16 17 34 42 44 46 52 55 56 58 65 71 01D 05A 06K 06Kc 13A 13Ac 13Ac2 13Ax 16A 34H 36D 36Db 42B 42J 42X 42Xa 44E 44Ei 52G 52Gb 55F 56F 56Fv 58N 65D 65Df 65Dg 65Dga 65F 65Fç 65Fz 65K 65Kl6 65Z 65L 65Lb 65N 65Np1 65Np6 65Nm

43. *Heliomata glarearia* (Brahm, 1791)

Synonym(s): #glarearia [Denis & Schiffermüller], 1775; glarearia Brahm, 1791.

Range (in code): FR Si IT DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG AZ AM IR GlS RU MD UA BY Ui Ku KG Sdy Jsn Aa Tal 01 05 06 13 14 16 29 30 36 37 39 43 49 56 60 65 71 75 76 01L 05A 06R 06Rd 13Gö 13Gğ 16A 30B 30Bc 30Bc 30Bc5 30Br 30Bz 30D 30Df 30Dx 36D 36Db 37F 49F 49Fb 56F 56Fw 60H 60Hb 65A 65Ac 65Ac3 65Ai 65Am 65Am1 65An 65As 65At 65At5 65D 65Dd 65Dda 65Df 65Dg 65Dl 65Dr 65Dn 65Ds 65Du 65F 65Fç 65Fr 65Fp 65Fz 65K 65Kl1 65Z 75F 75Fd 76B 76Bj 76D 76Dd

44. *Idaea camparia* (Herrich-Schäffer, [1852])

Synonym(s): #camparia Herrich-Schäffer, [1851]; camparia Herrich-Schäffer, [1852]; europaea Wehrli, 1934.

Range (in code): DZ Orn PT ES FR Si IT RO YU HV AL BG GR Cr CY TR LB Bsa Cc AZ Nv AM GG Tbl Kir Lag Ord IQ RU MD UA BY IR Fa Com Kz GlS IL Pa Hf JO TM 01 05 07 16 17 22 30 31 33 35 45 46 52 59 65 76 05A 16A 33G 46G 46Gi 52G 52Gb 65A 65Ai 65Am 65Am4 76B 76Ba

45. *Idaea degeneraria* (Hübner, [1799])

Synonym(s): degeneraria Hübner, [1799]; degenerata Treitschke, 1828; floridaria Turati, 1913

Range (in code): MA DZ TN PT ES FR Co Sa Si IT MT GB DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd CY TR IL Pa LB Bsa Cc AZ GG Tbl Bjo Kir IQ RU MD UA BY TM IR Elb Fa GlS AF KG Db Kdy Ket Kyr UZ 01 02 05 06 07 13 14 16 17 21 22 27 30 31 33 34 36 39 42 46 48 52 56 58 60 61 65 71 75 76 80 01B 01D 01G 01J 02F 02Fd 02Fz 05A 13F 13F25 13F35 16A 21N 21Nh 27D 27Da 30B 30Bc 30Bc1 30Bc 30Bc1 30Bz 30D 30Df 31K 31Ka 31Ka3 33A 33Ak 34R 34Rb 36D 36Db 46G 48L 52C 52G 52Gb 56C 56F 56Fa 58N 61K 61Ka 65A 65Am 65Am4 65An 65Ai 65N 65Nc 65Nc4 65L 65Lb 75F 75Fd 76D 76Da 80B 80Bc

46. *Idaea flaveolaria* (Hübner, [1809])

Synonym(s): brunnearia Fabricius, 1794; flaveolaria Hübner, [1809]

Range (in code): ES FR IT CH AT TR Cc AM Dar AZ Len 76 76D 76Dd

47. *Idaea humiliata* (Hufnagel, 1767)

Synonym(s): humiliata Hufnagel, 1767; ossearia [Denis & Schiffermüller], 1775; ossearia Hübner, [1799]

Range (in code): DZ Sbd PT ES Mu FR Co Sa Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG Mng Smt AM AZ Nv DK NO SE FI EE LV LT RU MD UA Cm BY 05 06 14 16 22 39 65 71 76 05A 16A 65A 65Ai 65F 65Fr 65N 65Np 65Nm 76D 76Dd

48. *Idaea moniliata* ([Denis & Schiffermüller], 1775) (Map 8)

Synonym(s): moniliata [Denis & Schiffermüller], 1775; ?pentalineata De Villiers, 1789; omicata Fabricius, 1794; #moniliaria Hübner, [1799]; pluripunctata Scharfenberg, 1805

Range (in code): PT ES FR IT DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc AZ AM GG Tbl Mng Bjo Smt Da Der RU MD UA Cm BY IR GlS TM 01 05 06 13 14 16 22 31 33 34 36 39 42 52 56 60 81 01J 05A 13G 13Gg 16A 31A 33G 36D 36Db 42B 52G 52Gb 56F 56Fq 60G 60H 60Hb

49. *Idaea ochrata* (Scopoli, 1763)

Synonym(s): ochrata Scopoli, 1763; #ochreatea [Denis & Schiffermüller], 1775; corrigata Fabricius, 1781; ochrearia Schrank, 1802 nec Ross., 1794; sricula Zeller, 1847; accretata Fuchs, 1901

Range (in code): MA DZ Sbd TN PT ES Mu FR Co Sa Si IT MT GB BE NL DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR Cc GG Tbl Bjo Smt Lag Da Der Kir AZ AM Ksp CY LB DK SE RU MD UA BY IR 01 05 06 13 14 16 22 25 34 39 46 52 59 65 76 78 81 05A 06R 13F 13F38 16A 52G 52Gb 65F 65Fr 65Fp 65Fz 65G 65Gb 65L 65Le 65N 65Nş 65Nm 76C 76D 76Dd 78D 78Da

50. *Idaea sericeata* (Hübner, [1813])

Synonym(s): sericeata Hübner, [1813]; altivolaria Bubacek, 1923;

Range (in code): MA PT ES Mu FR Co Sa IT LU CH AT SK HU TR Cc GG Smt Bjo Da Der AM RU MD UA BY KG Bks Ily Kpt Ket Ava Ui Ku 42 45 76 76B 76Bb 76D 76Dc 76Dd

51. *Isturgia arenacearia* ([Denis & Schiffermüller], 1775)

Synonym(s): arenacearia [Denis & Schiffermüller], 1775; flavidaria Eversmann, 1852; discriminaria Walker, 1862; irradiata Walker, 1862; impreviata Walker, 1863; stena Wehrli, 1940

Range (in code): Co Sa IT MT CH AT PL CZ SK HU RO YU AL BG GR Cr TR Cc GG Tbl Bjo Nv Kir Lag AZ AM Nv IR LT RU MD UA BY KG Sdy Db Kdy sKG Tks Ui Ku Kgs MN 16 22 36 39 52 76 16A 36D 36Db 52G 52Gb 76D 76Da

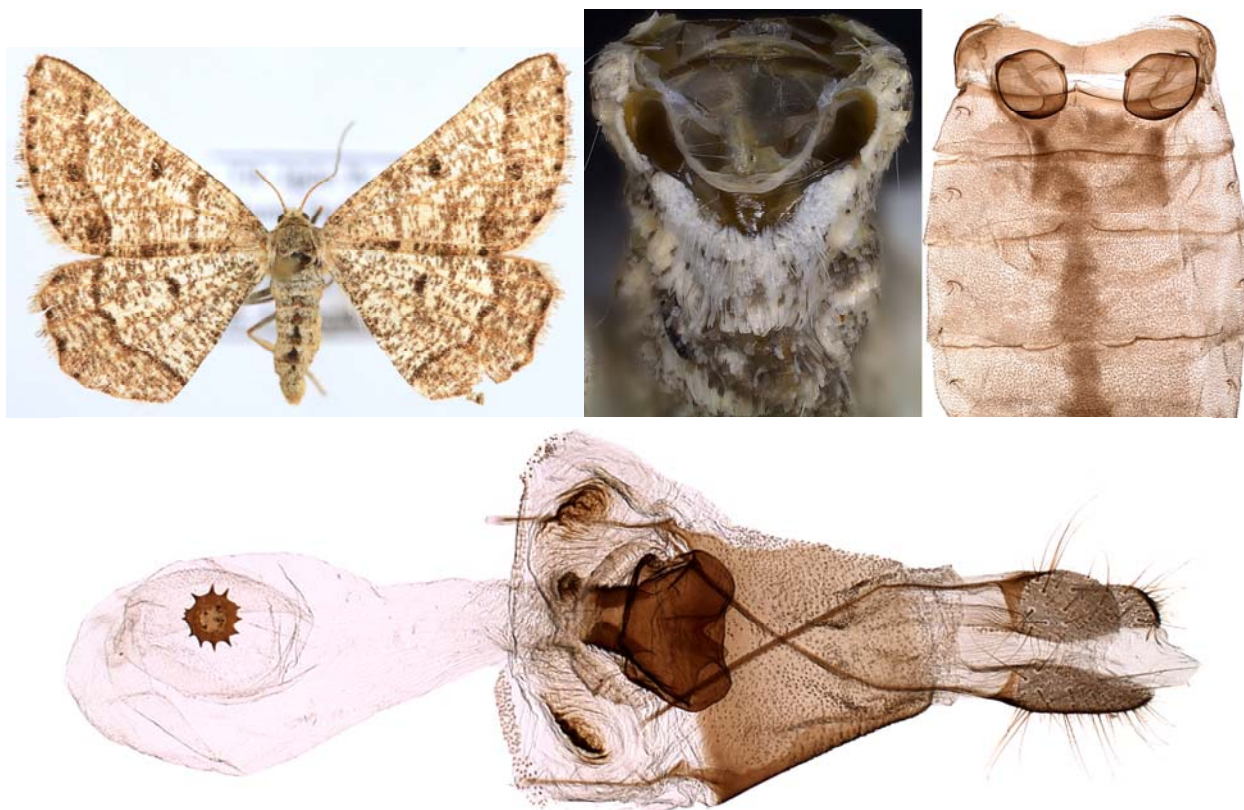
Remarks: This species was recently reported by the authors from Akçay 1200m (36Db) (Kemal & Koçak, 2018).

52. *Isturgia murinaria* ([Denis & Schiffermüller], 1775) (Figs 3-5)

Synonym(s): murinaria [Denis & Schiffermüller], 1775; nubecularia Villiers, 1789; myosaria Esper, [1806]; cineraria Duponchel, 1829; buffonaria Millière, 1855; uralica Wehrli, 1937

Range (in code): PT ES FR Si IT BE DE CH AT PL CZ SK HU RO BG TR AZ AM Cc GG Lag Tbl Bjo RU Ur MD UA BY KK Ik IR Ab Oru CN Ui Tlk Kun 04 13 16 36 56 65 76 04E 04Ea 13A 13Ab 13Ax 13F 13F25a 13F38 16A 36D 36Db 56F 56Fi 65F 65F1 65Fp 65Fz 65K 65Kl 65Z 65L 65Lb 65N 65Np 65Nm 76B 76Bf

Remarks: This species (GP3019♀) was previously reported by the authors from Iğdır Pr. (Hama Mt. 1680m) (Kemal & Koçak, 2018).



Figs 3-5 - *Isturgia murinaria*. Upperside of female (top left), tympanal organ (before and after preparation) (top right), female genitalia (GP3019♀) (bottom). NE Turkey, Iğdır Pr. Hama Mt. (76Bf).

53. *Lithostege coassata* (Hübner, [1825])

Synonym(s): *duplicata* Hübner, [1817] (junior homonym); *coassata* Hübner, [1825]; *assinata* Freyer, 1830; *coassaria* Boisduval, 1840

Range (in code): RU Ur Or MD UA Ode BY Ui Ku MN Cc GG AZ AM TM Kp Rpt TR IR Gor Mz Elb Ak Ab Mak Mrd KG Sdy Bks 76 76A 76Ac

54. *Lithostege flavicornata* (Zeller, 1847)

Synonym(s): *flavicornata* Zeller, 1847

Range (in code): TR AM Cc IR Th AZ CN Ui Ku 04 05 06 16 25 33 38 42 48 58 60 65 70 76 04C 05A 06C 06Cb 06Y 16A 25K 33O 38H 42B 42O 50G 58N 60C 65M 65Md 76A 76Ac

55. *Lithostege witzmanni* Standfuss, 1892

Synonym(s): *witzmanni* Standfuss, 1892

Range (in code): AZ Nv Cc Ord IR Ha Ak Ab Oru Khy Qo TR 30 36 47 30B 30Bg 30Bt1 30Bz 36D 36Db 47D

56. *Lomaspilis bithynica* Wehrli, 1954

Synonym(s): *bithynica* Wehrli, 1954

Range (in code): GR TR Cc AM 06 08 18 25 34 36 38 53 57 60 61 65 75 81 08H 18F 25F 25T 36D 36Db 36Fa 36Fb 60H 60Hb 61K 65F

57. *Lycia hirtaria* (Linnaeus, 1761)

Synonym(s): *#hirtaria* Clerck, 1759; *hirtaria* Linnaeus, 1761; *eremita* Scopoli, 1763; *atomaria* Hufnagel, 1767 nec Linn., 1758; *hirtipennis* Retzius, 1783; *congeneraria* Hübner, 1799; *fumaria* Haworth, 1809; *hanoviensis* Heymons, 1891

Range (in code): MA PT ES FR Co Sa IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR DK NO SE FI EE LV LT RU MD UA BY KG Sdy Ahl 05 16 52 65 76 05A 16A 52G 52Gb 65N 65Nm 65Np 76B 76Bb

58. *Lythria purpuraria* (Linnaeus, 1758)

Synonym(s): *purpuraria* Linnaeus, 1758; *cruentata* Hufnagel, 1767 nec Sc., 1763; *sanguinolenta* Fourcroy, 1785 nec Linn., 1767

Range (in code): ES FR IT BE LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG AZ AM IQ IR GlS Kh EE LV RU Ur Sb MD UA BY KG KK TJ TM UZ Ui Ii Ku 05 06 12 13 14 16 17 22 31 33 34 38 39 42 44 46 52 58 60 61 65 69 71 76

05A 06N 06Na 12E 12Ec 13A 13Ac 13Ac4 13Ax 13F 13F6 16A 38H 38Ha 38K 42B 44F 44Fb 52A 58N 60H 60Hb 65K 65Kl 65Z 65N 65Nc 76D 76Da

59. *Narraga tessularia* (Metzner, 1845)

(Figs 6, 7; Map 9)

Synonym(s): *tessularia* Metzner, 1845; *baltearia* Freyer, 1845; *atronacularia* Herrich-Schäffer, 1848.

Range (in code): AT SK HU RO BG TR RU Or Ur Sb At Tv UA Cm KK KG Tk Lps Ui Ku 36 76 36D 36Db 76C 76D 76Da

Remarks: Here, the male genitalia and tympanal organ of this species (GP2472♂) was illustrated by the authors from Kazıkoparan (76C). The species in Turkey is confined to the Aras Valley (Kars and Iğdır Provinces).



Figs 6, 7 – *Narraga tessularia*. Male genitalia and tympanal organ (before & after preparation) (GP2472). NE Turkey, Iğdır Pr., Kazıkoparan (76C).

60. *Neognopharmia stevenaria* (Boisduval, 1840)

Synonym(s): *stevenaria* Boisduval, 1840; *lapidisaria* Freyer, 1841

Range (in code): PT ES Mu FR IT RO MD UA Cm YU HV SS MK AL BG GR Ip Sms Cr TR AZ Cc AM GG IQ IR Fa Sse Com Kz RU Sr Or Ur VI Kis IL Pa Car Hf LB Bsa CY 01 02 05 06 08 13 14 16 17 21 22 25 27 30 31 36 42 44 46 56 61 65 01B 01H 02F 02Fd 02Fz 05A 08H 08Ha 13F 13F7 13F71 13G 13Gw 13Gs 13Gy 16A 21N 21Nc 25F 27D 27Db 36D 36Db 42B 44E 44Ei 44I 44Ic 44O 46G 46Gf 56C 56Cc 56F 56Fn 61K 65A 65Ai 65D 65Df 65Dl 65Dlc 65F 65Fp 65Fz

61. *Ochodontia adustaria* Fischer de Waldheim, 1840

Synonym(s): *adustaria* Fischer de Waldheim, 1840; *sareptanaria* Freyer, 1841; *#sareptaria* Eversmann, 1844

Range (in code): RU Sr TR IR Ab Elb Ak Shf Zj AM Cc AZ Nv Ord Kir AF MN Ui Kl KK Ik KG Bks Ket Tui 04 24 36 76 36D 36Db 76A 76Ac 76D 76Da

62. *Perconia strigillaria* (Hübner, 1787)

Synonym(s): *strigillaria* Hübner, 1787; *respersaria* Hübner, [1799]; *inaequaria* Haworth, 1809; *herpeticaria* Rambur, 1866; *grisearia* Lempke, 1952; *fuscognaria* Lempke, 1953

Range (in code): ES FR Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU BG GR TR Cc GG Tbl Bjo IR GlS DK NO SE FI EE LV LT RU Ur MD UA BY 05 06 14 16 17 22 33 34 52 59 76 80 05A 16A 33G 76D 76Dd

63. *Phaiogramma etruscaria* (Zeller, 1849)

Synonym(s): *etruscaria* Zeller, 1849; *pulmentaria* Guenée, [1858]; *palaestinensis* Fuchs, 1903

Range (in code): DZ Clo Anna Bsk TN Gf PT ES Mu FR Co Sa Si IT MT BE CH AT PL CZ SK RO YU AL BG GR Cr Rd TR IQ RU CY SY IR Kd Elb Th Fa Sse Com Kz AZ AM GG Smt Bjo Lag Kir Nv Ord Da Der Cc LB Bsa IL Pa Jf Mtl Ui Ii KG Ket Clk Kyr Kpt 01 05 14 16 17 21 28 31 32 33 39 42 44 46 52 56 61 65 76 80 01B 01D 01G 01J 05A 16A 21L 21Lc 28N 31K 31Ka 42B 44I 44Ic 44L 44Lc 46G 46Gf 52G 52Gb 56F 61K 65A 65Am 65Am1 65Am4 65D 65Dg 65F 65Fg 65L 65Le 76A 76Ac 80B 80Bc

64. *Rhodostrophia* (s.str.) *discopunctata* Amsel, 1935

Synonym(s): *tabidaria* auct. nec Zell., 1847; *discopunctata* Amsel, 1935

Range (in code): RO YU AL MK BG GR IL Pa Car Js Mer LB Bei Bsa JO TR Cc GG AM IQ 02 05 06 13 14 16 17 18 21 27 28 29 30 31 33 36 38 42 44 46 49 50 56 58 60 65 70 72 80 81 02F 02Fd 02Fz 05A 13G 13Gz 13F 13F6 14G 14Gb 16A 18F 21N 21Nh 27D 27Da 27Db 28N 30B 30Bc 30Bt1 30Bz 30D 30Df 31K 31Ka 31Ka3 31Ka5 36D 36Db 42B 44L 44Lc 46G 46Gf 49F 49Ff 56F 56Fb 56Ff1 56Ft 58N 60G 65A 65Ai 65An 65Am 65Am1 65At 65At5 65D 65Dd 65Dda 65Dl 65Dlc 65Dr 65Drb 65F 65Fd 65Fp 65Fz 65Fr 65N 65Np 65Np1 65Np2 65Np5 65Nr6 65Nr7 65Nm 70C 70Ce 72E 72Ei 80B 80Bc 81E

65. *Rhodostrophia (s.str.) sieversi* (Christoph,1882)

Synonym(s): sieversi Christoph,1882

Range (in code): TR Cc AZ Nv Ord IQ IR Ab Jal Elb Mz o6 30 44 46 65 71 76 44E 44Ei 65D 65Dd 65Dda 65Dc 65Dg 65Ds 65F 65Fp 65Fz 65G 65Gf 65Gg 65Gy 65L 65Le 65N 65Nr3 65Nm 76D 76Dd**66. *Rhodostrophia cuprinaria* (Christoph,1876)**

Synonym(s): cuprinaria Christoph,1876; phaenicearia Hampson,1907.

Range (in code): TR IR Elb Srd Cc GG Fa Zj AZ Nv Ord AF 13 30 36 56 65 13A 13Ac 13Ac2 13Ax 13F 13F38 30B 30Bt1 30Bz 36D 36Db 56F 65A 65Ac 65Ac3 65As 65D 65Df 65F 65Fp 65Fz**67. *Scopula beckeraria* (Lederer,1853)**

Synonym(s): beckeraria Lederer,1853; pseudoafghana Ebert,1965

Range (in code): IT RO SS MK BG GR TR AZ Nv Kir RU Da Sj AZ Nv Ord Der Da Kur GG Cc IL Pa He LB Bsa UZ Fe KG Nrl Jsn Ui Ku MN IR Fa Sse Com Kz Shr Ahz Ke AF Bm o1 o4 o5 o6 o7 13 14 24 25 27 30 36 42 44 47 51 56 58 63 65 71 72 76 o1H o5A o6K o6Kc o6R o6Rd 13A 13Ab 13Ax 13F 13F38 42B 44E 44Ei 51B 51Bc 56F 58N 65D 65Df 65F 65Fp 65Fz 65G 65Gb 65Gf 65Gy 65K 65Kl1 65Kl6 65Z 65L 65Le 65M 65Md 65N 65Np1 65Nm 76A 76Ac 76D 76Da**68. *Scopula humifusaria* (Eversmann,1837)**

Synonym(s): humifusaria Eversmann,1837

Range (in code): DZ Ges Bsk ES TR RU Cc AM GG AZ TM Ui Ku KGBks Ily Htt Kpt o8 24 36 42 76 o8H o8Ha 36D 36Db 76D 76Da**69. *Scopula marginepunctata* (Goeze,1781)**

Synonym(s): marginepunctata Goeze,1781; conjugata Borkhausen,1794; aniculosata Rambur,1829; puellaria Boisduval,1840; mutaria Heydenreich,1851; promutata Guenée,[1858]; promutaria Morris,1861; apertaria Walker,[1863]; madoniata Fuchs,1901; pastوريا Joannis,1891; #marginipunctata Rothschild,1914; britonaria Oberthür,1917; subatrata Wagner,1919; #insubrica Vorbrod,1930

Range (in code): MA Rf DZ Ges TN PT ES Mu FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd CY TR Cc AM GG Tbl Bjo Kir Ber Ord Nv AZ Nv Arr IQ IR Ab Oru Elb Th Fa DK SE LV LT RU Da MD UA Cm BY KG Ket Kyr Ui Ku Ju Kön LB Bsa IL Pa Jf MN o1 o2 o5 o6 13 14 16 17 21 22 24 30 33 34 35 38 39 42 44 46 52 56 58 59 60 61 65 71 76 80 81 o1D o1G o1H o2F o2Fd o2Fe o2Fz o5A o5G o6D 13B 13Ba 13F 13F25 16A 21N 21Nh 30B 30Bc 30Bc5 30Bc1 30Bt1 30Bz 30D 30Df 33A 33Ac 42B 44E 44Ei 52G 52Gb 56F 56Fg 58N 60H 60Hb 61K 61Ka 65A 65Ai 65Am 65Am1 65An 65Am4 65D 65F 65Fm 65Fr 65Fp 65Fz 65K 65Kl1 65Z 65L 65Lb 65Le 65N 65Nc 65Np 65Np1 65Nm 76D 76Da**70. *Scopula orientalis* (Alpheraky,1876)**

Synonym(s): orientalis Alpheraky,1876; #magna L.B.Prout,1913; #orientata Wardikyan,1970

Range (in code): MK BG TR RU Ro Ur Tgn Cc AM GG IR Fa Com Kz UA Cm o8 13 25 29 36 50 58 65 76 o8H o8Hb 13A 13Ab 13Ac2 13Ax 25F 36F 50G 50Gd 58N 58Nb 65D 65Df 65F 65Fp 65Fz 65G 65Gb 76D 76Da**71. *Synopsia sociaria* (Hübner,[1799])**

Synonym(s): sociaria Hübner,[1799]; staudingeraria Martorell,1874; acuta Wehrli,1926

Range (in code): PT ES FR Co Sa Si IT NL DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG Lag AZ Len AM Eri IR GlS RU Ur At MD UA BY KG Nrl Bks Kpt Kkk Ui Ku 14 16 17 25 33 34 42 50 52 58 65 76 16A 42B 33G 52G 52Gb 65A 65An 76D 76Da**72. *Thetidia crucigerata* (Christoph,1887)**

Synonym(s): crucigerata Christoph,1887

Range (in code): TM Kp IR Elb Se Fa TR 36 76 36D 36Db 76D 76Dd**73. *Thetidia smaragdaria* (Fabricius,1787)**

Synonym(s): smaragdaria Fabricius,1787

Range (in code): ES FR Si IT GB BE LU DE CH AT PL CZ SK HU RO YU AL BG GR TR GG Smt Bjo Lag AZ AM Cc IR NO FI EE LV LT RU MD UA BY KK Ax Ik Ui Ku Ju Tlk KG Cgl Sdy Akt Sek o5 o6 16 36 42 65 71 o5A 16A 36D 36Db 42B 65D 65Dl 65Dlc**74. *Timandra comae* Schmidt,1931**

Synonym(s): angulata Fourcroy,1785 nec Hfn.,1767; comae Schmidt,1931; brykaria Nordström,1943; comai Kaila & Albrecht,1994

Range (in code): MA PT ES Mu FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR DK NO SE FI EE LV LT RU MD UA BY IL Pa Cc GG AM AZ IR TM KG sKG Tks Sb Ksa Tk Aa MN o1 o5 o8 16 22 33 34 39 42 52 53 55 58 59 76 52C 52G 52Gb 76D 76Da

Lasiocampidae**75. *Eriogaster (Autosphylla) neogena* (Fischer de Waldheim, 1824)**Synonym(s): *neogena* Fischer de Waldheim, 1824Range (in code): Cc TR AZ Kir Nv Ord GG AM IR UZ RU Ur Sb At KG Sp Ssn Aa TrA Kpt KK Ik Ax 36 36D 36DbRemarks: This species was first reported and illustrated from Turkey by the authors (Kemal & Koçak, 2012).**76. *Malacosoma castrensis* (Linnaeus, 1758)**Synonym(s): *castrensis* Linnaeus, 1758; *ksiezopolskii* Sheljuzhko, 1943Range (in code): PT ES FR Co IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR DK NO SE FI EE LV LT RU MD UA Cm BY LB Bsa KK Ik UZ TJ KK KG TrA DsA KuA TeA Ik Ssn Lps Tar GG Mng Bjo Smt Lag Kir AZ AM Cc TM Kp IR AF MN CN Ti 02 04 05 06 12 13 14 16 23 24 25 30 33 35 36 38 42 44 53 56 58 60 65 71 76 02F 02Fd 02Fz 04I 05A 06A 06Aa 06R 06Rb 06Re 13A 13Ab 13Ac 13Ae 13Ax 13F 13G 13G1 13Gi 13Gy 16A 23I 24G 25C 25Ca 25F 25T 30B 30Ba 30Bc 30Bt1 30Bz 30Bl 30D 30Da 36D 36F 42R 44L 44Le 49E 49Ea 56F 60C 65B 65Bn 65Bn1 65Bo 65Bx 65D 65Df 65Dl 65Dlc 65Dg 65Dga 65Dr 65Drb 65F 65Fd 65Fe 65Fc 65Fe 65Fp 65Fz 65G 65Gb 65Ge 65Gf 65Gy 65K 65Kd 65Kz 65Kg 65L 65Le 65N 65Np 65Np1 65Np2 65Nr2 65Nm 76B 76Bf 76Bh 76C 76D 76Da

See: De Freina (1993).

77. *Malacosoma neustrium* (Linnaeus, 1758)Synonym(s): *neustria* Linnaeus, 1758; *annularis* Fourcroy, 1785; *unicolor* Cyrilli, 1787; *bilineatus* Haworth, 1803Range (in code): DZ PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR IR DK NO SE FI EE LV LT RU MD UA BY SY Hal KG GG AZ AM Cc 05 06 08 12 13 14 17 19 22 23 25 30 32 33 35 36 37 42 46 49 53 55 58 60 61 62 65 71 75 05A 06R 06Rb 06Re 08H 08Hc 13G 13Gy 13F 14B 19C 23I 30B 30Bf 30Bz 33G 36D 36F 49E 49Ea 55F 58I 65F 65Fe 75F 75Ff

See: De Freina (1993).

78. *Malacosoma paralellum* Staudinger, 1887Synonym(s): *paralellum* Staudinger, 1887Range (in code): TR IR Elb Mz TM Kp UZ TJ KK Ik T-S CN Ui Kml TeA KuA KG Aa TrA DsA Tk Ssn Tar AF Nu GG Tbl Bjo AZ AM Cc 04 24 25 36 58 04I 25F 25T 36D 36F 58N

See: De Freina (1993).

Lemoniidae**79. *Lemonia pia* Püngeler, 1902**Synonym(s): *pia* Püngeler, 1902Range (in code): IL Pa JO TR Cc IR Qz 01 04 07 13 21 25 30 36 44 46 56 58 63 65 73 76 01H 04D 04Da 07K 13F 13F2 13F25 13F8 21F 25F 30B 30Be 30D 30Df 36D 36Db 36F 44E 44Ea 56E 56Eb 56F 56Fb 58G 63M 65A 65Am 65Am4 65K 65Kl6 65Z 65N 65Np2 65Nm 73C 73Cd**Lymantriidae****80. *Euproctis chrysorrhoea* (Linnaeus, 1758)**Synonym(s): *chrysorrhoea* Linnaeus, 1758; *phaeorrhoeus* Haworth, 1803; *xanthorrhoea* Oberthür, 1916 nec Koll., [1844]Range (in code): DZ Clo Blid Khk TN DhM PT ES FR Co Sa Si IT MT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG Lag Mng DK SE EE LV LT RU MD UA Lvv BY 04 05 06 08 12 13 14 16 19 24 25 36 38 42 46 49 50 55 56 58 60 65 66 71 75 76 04D 04Da 05A 06R 06Ra 06Rb 08H 08Hc 12A 12Ab 12Af 12Aa 12C 12E 12Ec 13A 13Ab 13Ax 13G 13Gy 13F 16A 19C 24G 25A 25C 25Ca 25T 25F 36D 36Db 36F 38C 38Cb 49E 49Ea 55F 56F 56Fs 58G 58Ia 58N 60C 65D 65Df 65F 65Fe 65Fg 65Fp 65Fz 66P 75F 75Fb 76C**81. *Lymantria (Porthetria) dispar* (Linnaeus, 1758)**Synonym(s): *dispar* Linnaeus, 1758; *disparina* Müller, 1802; *disparoides* Mabille, 1876; *bordigalensis* Mabille, 1876; *asiatica* Wnukowsky, 1926; *andalusica* Reinig, 1938; *hokkaidoensis* Goldschmidt, 1940; *mediterraneae* Goldschmidt, 1940; *bocharae* Goldschmidt, 1940; *chosensis* Goldschmidt, 1940; *koreibia* Bryk, [1948]; *kolthoffi* Bryk, [1948]Range (in code): MA DZ Sbd BtNa TN DhM PT ES FR Co Sa Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU BG GR Cr TR DK SE FI EE LV LT RU Sb At Us To Vv MD UA BY AM AZ Len GG Bjo Smt Mng Lag Cc KK KG IQ Hjo Dk LB IR Mz Elb Sari Ha Ab Oru CN Lng Pkn Ui Kön Sz Mc SY CY AF Db Kdy JP MN KP KR TM Hkk TJ UZ IN TW CA On BCo US Col Ut Cf Fl Io Mai Ny Oh Org Krl GlS Lvv 06 07 10 11 12 13 17 19 23 25 30 31 33 36 46 48 49 50 56 62 65 67 71 76 06R 06Ra 06Rb 06Rd 07A 07B 07C 10K 10Ka 12A 12Aa 12E 12Eb 12Ec 12Ed 13F 13F38 19P 23D 25A 25F 30B 30Ba 30Bc 30Bt1 30Bz 30C 30Cd 30D 30Da 30Df 30Dx 31K 31Ka 33F 36D 36Db 48L 49E 49Ea 50G 56F 56F6 62H 62E 65D 65Dl 65Dlc 65Dn 65F 65Fo 65L 65Lb 67D 76C

82. *Orgyia dubia* (Tauscher, 1806)**(Fig. 8)**

Synonym(s): *dubia* Tauscher, 1806; *judea* Staudinger, 1901; *interrupta* Grun-Grshimailo, 1890; *seleniaca* Fischer de Waldheim, 1824; *transcaspica* Krulikowsky, 1906; *obliterata* Strand, 1910; *isolatella* Strand, 1910; *deserticola* Powell, 1916; *orana* Powell, 1916; *aurea* Oberthür, 1922; *intermedia* Turati, 1936 (preocc.)

Range (in code): MA DZ Bt na Ges Amu Agi Orn Sbd EG PT ES Si RU Cc AM MD UA BY TR LB Bsa Ksr IL Hf Pa IR GlS CY TM Kp UZ KG Ssn 05 06 18 19 42 38 50 58 60 65 71 76 05A 06Y 18F 19N 38H 42F 50C 58N 58R 60C 65G 65Ga 65N 65Na 65Nb 76A 76Ac



Fig. 8 - *Orgyia dubia*. Caterpillar on *Atraphaxis* sp. NE Turkey, Iğdır Pr. Aralık DÜÇ (76Ac), M. Kemal (Cesa)

83. *Parocneria signatoria* (Christoph, 1893)

Synonym(s): *signatoria* Christoph, 1893; *pilosa* W. Warren, 1897

Range (in code): DZ Khh IL Pa IR Ss Ahz IQ Bgd Agh TM UZ Cc AZ TR AF 36 56 36D 36Db 56F 56Fö

84. *Polymona lapidicola* (Herrich-Schäffer, [1852])

Synonym(s): *lapidicola* Herrich-Schäffer, [1852]; *atlantica* Herrich-Schäffer, [1852] nec Rmb., 1837; *urbicola* Staudinger, 1861; *urbicola* Staudinger, 1879 nec Stgr. 1861; *phoenissa* Rogenhofer, 1891; *mardina* Staudinger, 1892; *libanicola* Staudinger, 1892

Range (in code): Rd Sa TR Cc AM AZ Kir SY CY IQ Rwz LB Bsa IL Pa Hf JO 01 05 06 07 13 14 19 21 23 27 30 33 35 36 42 44 46 47 48 50 56 63 65 71 73 01H 05A 07B 07Bb 07C 13A 13Ab 13Ac 13Ac2 13Ax 13F 13F25 13F8 14I 19P 21L 23I 27D 27Da 30D 30Df 30Dx 33A 33An 33P 36D 36Db 42B 44E 44Eh 44F 44Fa 44L 44Lc 46G 46Gf 46Gi 47D 47Db 48D 50G 56E 56Eb 56F 56Fa 56Fb 56Fc 56Fg 56Fö 56Fo 56Fq 56Fs 56Fv 63M 65A 65Am 65Am4 65Ac 65Ac3 65D 65Df 65Dv 65Fz 65K 65Kb 65Z 71B 73A 73Ab 73D 73Da 73Df 73Dfc 73E 73Eb

Noctuidae**85. *Abrostola clarissa* (Staudinger, 1900)**

Synonym(s): *clarissa* Staudinger, 1900

Range (in code): TR IL Js Pa LB Bsa IQ Dk Ama IR Elb Ab Oru Khy Ak Aha Kdj Th Se Kh Es By Mz Dam Kdj Fa SY RU Cc Ich Ing Da AF TM 04 05 06 08 13 18 24 25 30 31 33 36 47 50 51 58 62 65 66 05A 06R 06Re 08C 08H 13B 30D 30Da 30Df 31M 36D 36F 47D 51B 51Ba 65A 65Am 65Am4 65D 65Df 65F 65Fa

86. *Acantholipes regularis* (Hübner, [1813])

Synonym(s): *regularis* Hübner, [1813]

Range (in code): Cr RU Ro St Ich Da MD UA BY TR GG Smt Akh Cc AZ Kir Der IQ Agh Dk Bgd Dia Ry Rwz Brs TM CN Ui Ku Ga IR Fa Bk Elb Mz GlS Km Kd Snj Sse Ss Kuh Kh AF Srb SY IL Pa SA KG sKG Tks Tk Dj Aa UZ N-A 01 05 06 07 13 14 21 23 30 31 33 35 36 46 50 56 62 65 76 05A 07C 13C 13Cf 21N 21Nb 30B 30Bd 30Bg 30Bz 31K 31Ka 31Ka3 33P 36D 36Db 46G 46Gf 56F 56Fa 65L 65Lb 65Le 76D 76Da

87. *Acontia (Emmelia) trabealis* (Scopoli, 1763)

Synonym(s): trabealis Scopoli, 1763; arabica Hufnagel, 1766; sulphuralis Linnaeus, 1767; sulphurea [Denis & Schiffermüller], 1775; lugubris Fabricius, 1777; histrionella Goeze, 1783; arlequinetta Fourcroy, 1785; trabeata Borkhausen, 1790; pardalina Walker, 1865; deleta Staudinger, 1877; flavonitens Austaut, 1880; algira Oberthür, 1881

Range (in code): MA DZ TN PT ES Mu FR Co Sa Si IT MT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR CY LB Bei IL Hf Pa SY JO DK NO SE FI EE LV LT RU Tv Am Sb MD UA BY IR Ab Mak Mz Th Elb Kd Snj Km Lo Kz Yas Ss Bk Qz IQ Agh Amr AM GG AZ Len Cc AF PK Bl Qu Ui Ku SA SA63 Us MN MU KK Ik Skm Osh Ro Kr St Kb Kc Nt Ich Ing Kyi Da Oru Bne Mrv Bjr Zj Gls Bsk Abe Sbd Rbt Anna KG Db Kdy 01 04 05 06 07 08 11 13 16 18 30 32 33 36 38 41 42 46 50 55 56 58 59 60 65 66 71 75 76 01H 05A 06R 06Rd 13A 13F 13F21 13G 13Gg 16A 30D 30Df 30Dx 36D 36Db 38H 38Hc 46G 46Gf 55F 56F 58N 60G 65A 65An 65D 65Du 65K 65Kl 65Z 65L 65Lb 65Le 65M 65Mc 65Md 75F 75Fb 75Fd 76B 76Bf 76Bh 76Bj 76D 76Da

88. *Acontia (s.str.) lucida* (Hufnagel, 1766) (Fig. 9)

Synonym(s): lucida Hufnagel, 1766; solaris [Denis & Schiffermüller], 1775; albicollis Fabricius, 1781; rupicola Borkhausen, 1792; insolatrix Hübner, [1822]; triradiata Walker, [1858]; lugens Alpheraky, 1889; heliodora Schawerda, 1923

Range (in code): Cn MA DZ TN LY EG PT ES Mu FR Co Sa Si IT MT GB NL DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd CY TR LB Bsa IQ Mos Agh kut Bgd Kro Bji SA FI LV RU MD UA BY IR Hz Ss Fa Elb Men Ahz GG AZ Len Cc AM TJ Pm AF Asm Nu Kab Hr Pli Gbh Bd Fz Dwe PK IN CN Ui Ku Ii Txl Tek IL Pa Hf Md At KG SY JO Sn Th Mia Kaz Mz B-A UZ N-A KK Skm Osh Ro Kr St Kb Ich Kyi Da IN Pj C-P Kha Cp Smt Tbl Bjo Mng Der Btma Bsk Ktr Hmk Khh Ahr Ktr Perr Hrh Berr Saia Ges Lgt Ndr Abe Sbd Agi Orn Rbt Phv Tgr Hrh Hes Onç 01 05 06 13 16 18 23 24 30 31 32 33 34 35 41 42 46 50 51 58 65 71 73 76 05A 13C 13Cf 13F 13F35 16A 30B 30Bç 30Bç5 30Bz 31K 31Ka 33G 42J 42X 42Xa 46G 46Gf 65D 65Ds 65Du 65E 65Eb 65Ed 65F 65Fp 65Fz 65M 65Mc 65Md 65N 65Np2 65Np6 65Nm 73A 73Ab 76B 76Bb 76D 76Dğ



Fig. 9 – *Acontia lucida*. At rest by day. NE Turkey, Iğdır Pr., Tuzluca 1290m (76Dğ), 29.v.2012, M.Kemal (Cesa)

89. *Acronicta (Subacronicta) megacephala* (Fabricius, 1787)

Synonym(s): megacephala Fabricius, 1787; ankarensis Hering, 1933.

Range (in code): MA PT ES Mu FR Co Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR IR Mz Elb Kd Snj SY DK NO SE FI EE LV LT RU Cc GG Smt Bjo Lag AZ Kir Ro Kr St Kc Kb Nt Ich Da Sb MD UA Lvv BY KG Uk Ui CN KP KR JP 04 06 08 13 18 16 24 25 30 31 33 34 36 37 42 44 46 50 51 53 58 60 62 65 66 75 76 06F 06Fb 06K 06Kc 13G 13Gw 13Gs 16A 34A 36D 36Db 36F 51B 51Ba 60C 60G 65A 65Ac 65Ac3 65F 65Fç 65Fe 65Fm 65Fr 65Fz 65K 65Kp 65N 65Np 65Np6 65Nm 75F 75Fd 76B

90. *Aedophron phlebophora* Lederer, 1858

Synonym(s): phlebophora Lederer, 1858; monotonia Amsel, 1935

Range (in code): TR Cc AZ Nv Ord SY Dms IR Fa Shr Kz Yas Es Zj Elb Th Kdj Ab Oru Kd Snj Bne Lo Gls Kh IQ TIH IL Pa RU St Da 05 06 12 13 18 25 30 33 36 42 45 46 47 49 50 51 56 58 65 66 70 71 73 05A 13F 13F35 13G 13Gg 30D 30Da 36D 36Db 42J 42X 42Xa 49F 56F 58N 65B 65Bo 65Bx 65D 65Df 65F 65Fa 65F 65Fm 65Fp 65Fz 65G 65Ge 65Gf 65Gy 65K 65Kd 65Kg 65N 65Nr2 65Nm 70C 70Cf 73C 73Cd

91. *Aedophron rhodites* (Eversmann, 1851)

Synonym(s): rhodites Eversmann, 1851; aurorina Herrich-Schäffer, [1852].

Range (in code): RO BG GR TR RU Ro St Ich Da Der Kyi AM GG Cc IR Gor Kh 05 06 18 25 36 42 50 51 58 60 62 65 66 71 05A 06K 06Kc 36D 58G 58N 65D 65Df 65Fz

92. *Aegle semicana* (Esper, [1798])

Synonym(s): semicana Esper, [1798]; vespertalis Hübner, [1813]; mimetes Brandt, 1938; #verspentalis Hacker, 1986.

Range (in code): MA Tgr DZ Ges DhM Orn TN KhH Dzc Abe Hrh Hmk Sbd LY Sa Si IT MT HU RO YU AL BG GR TR GG Cc CY EG IR Fa Ab Sdt Mia Km AF LB Bei IL Hf Pa Js JO 01 03 06 13 17 19 22 23 32 33 36 40 42 46 47 50 51 56 58 66 13C 13Cf 36D 47D 56F

93. *Agrochola (Alpichola) egorovi* (O. Bang-Haas, 1934)

Synonym(s): egorovi O. Bang-Haas, 1934

Range (in code): RU Da Cc AM TR IQ Er Hjo 01 04 12 25 30 36 44 46 56 58 60 65 69 73 01K 04D 04Da 04I 25C 25Ca 25D 30B 30Be 30C 30Cb 36D 36F 36Fb 44F 44Fa 56E 56Eh 58G 65A 65B 65Bk 65Bx 65F 65Fp 65Fz 65G 65Ge 65K 65Kl 65Klo 65Z 69B 69Ba 73C 73Cd

94. *Agrotis (Crassagrotis) obesa* (Boisduval, 1829)

Synonym(s): obesa Boisduval, 1840

Range (in code): MA DZ Ges BtNa Lbs Sbd Tlm Abe Afl LY MT PT ES FR IT MK BG GR RO MD UA Cm TR RU Ro Kr St Da IQ Brs AZ Kir GG Tbl Cc AM SY IR Gh Elb Th UZ Fe KK Osh KG TM CN LB IL Pa JO 01 03 04 06 08 13 18 20 23 25 26 30 36 44 46 50 56 58 62 63 65 71 73 01L 01La 03F 04D 04Da 06C 06Cb 06D 06Da 06R 06Rb 06Rq 06Y 06Yb 08H 08Hb 13C 13Cf 13D 13Da 13F 13F25 13F38 18F 25R 25Rb 26K 30B 30Bc1 30Bc2 30Be 30Bz 30Bh 30Bj1 30Bt1 30D 30Df 36D 36Db 44E 44Eh 46K 46Ka 50G 50Ga 50Gd 56F 58G 58Gi 58R 63E 65A 65Am 65Am4 65D 65Df 65F 65Fa 65Fm 65G 65Gj 65K 65N 65Nc 65Nc 65Np 65Np1 65Np2 65Np7 65Nm 65Kg 65Kd 65Kl6 65Ku 65Z 70A 70Ac 73C 73Cd

95. *Agrotis (Powellinia) carthalina* (Christoph, 1893)

Synonym(s): carthalina Christoph, 1893

Range (in code): Cc GG AM TR 04 06 18 25 28 36 51 60 65 04D 04Da 06R 06Rh 18F 25A 25C 25Ca 25T 28D 28Db 36D 36F 36Fb 60C 65Bx 65G 65Ge

96. *Agrotis (s.str.) desertorum* Boisduval, 1840

Synonym(s): desertorum Boisduval, 1840; deserticola Eversmann, 1842

Range (in code): RO BG RU Ro MD UA TR SY IL Pa Hf GG Cc KK TrA KG 04 06 13 18 24 25 30 33 36 42 44 46 50 51 58 60 62 65 68 69 70 71 04E 06B 06O 13A 13Ab 13Ax 13G 13Gg 13Gü 13Gw 18F 24L 25A 25C 25Ca 25F 25N 25Na 25T 30B 30Bd 30Bz 36D 42R 42Rc 44E 44Ei 50G 50Gc 50Ge 50Gd 51B 58G 58Gh 58Gi 58N 58R 60C 62G 65Bx 65D 65Du 65F 65Fa 65G 65Ge 65K 65Kl 65Z 65N 65Np 65Nm 69A 70C 70Cb 68H

97. *Agrotis (s.str.) exclamationis* (Linnaeus, 1758)

Synonym(s): exclamationis Linnaeus, 1758; clavus Hufnagel, 1766; murina Goeze, 1781 nec Hufnagel, 1766; bimaculata Geoffroy, 1785; picea Haworth, 1809; plaga Stephens, 1835; haruspex Le Cerf, 1924; nigriorbis Zerny, 1934.

Range (in code): MA DZ TN LY PT ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR DK NO SE FI EE LV LT RU Ro Kr St Kc Kb Nt Ich Ing Da Kyi MD UA BY CY TR AZ AM GG Cc IR Th Elb Kd Ab Es Ke Kh Fa Bk MN UZ KK KG Ava Ui Ku Tlk AF Hr Pli Adr IQ Mos LB Bsa IL Lvv Pa Oru 01 03 04 05 06 07 08 12 13 14 18 24 25 28 30 33 34 36 37 39 36 42 44 45 46 50 51 55 58 60 65 71 04D 04Da 05A 06R 06Ra 07C 08G 08H 08Hb 12C 12Cb 13A 13Ab 13Ax 13B 13G 13Gs 13Gw 14B 14Bb 18F 24L 25A 25C 25Ca 28D 28Db 30B 30Be 33E 33O 34L 36D 36Db 36F 39H 42B 42R 42Rb 44L 44Lc 50G 50Ga 50Gd 50Ge 51B 51Ba 55F 58G 58N 58R 65A 65Am 65Am1 65Am4 65An 65At 65At5 65F 65Fa 65Fg 65Fm 65Fp 65Fz 65G 65Ge 65Gf 65Gy 65K 65Kl 75F 75Ff

98. *Agrotis (s.str.) segetum* ([Denis & Schiffermüller], 1775)

Synonym(s): segetum [Denis & Schiffermüller], 1775; sordida [Denis & Schiffermüller], 1775; undulatus Goeze, 1781 (praeocc.); nigricornis De Villers, 1789; segetis Fabricius, 1794; catenatus Haworth, 1803; monileus Haworth, 1803; pectinatus Haworth, 1803; connexus Haworth, 1803; subatratus Haworth, 1803; nigricornutus Haworth, 1803; praecox Hübner, [1808]; fervida Hübner, [1824]; affinis Stephens, 1829; sicala Boisduval, 1840; dimidia Zeller, 1847; sicania Guenée, 1852; marginalis Walker, 1857; aversa Walker, 1857; correctus Walker, 1857; obliuosus Walker, 1857; denticulosus Wallengren, 1860; certificata Walker, 1865; conspurcatus Walker, 1865; repulsus Walker, 1865; ingratus Butler, 1878; pallidus Staudinger, 1881; lassa Swinhoe, 1886.

Range (in code): Cn MA DZ TN LY EG PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR DK NO SE FI EE LV LT RU MD UA BY CY IR Fa Lo Ss Kh Ha Mz IQ MN CN Ui Ku PK Bl Qu AF Hr Srb Gbh Blh Arh Fz ZW Har ZA Mpu Brb Gau Pre Jh Tva Lpo Spb Mdk Nta Kzu LB Bsa IL Hf Pa SY JO Sn Tkr Agh Bgd Mj Up Bhi Nnt Kil Kml Gh Th Ab Oru Kz Hz GlS UZ KK KG TJ TM Cc Ro Kr St Kc Kb Nt Ing Ich Da Kyi ET ET24 Mre Cp Thu Rw LK Pdy Smt Tbl Bjo Kir Kus IN Hp Sml Haz Cte Mh Nsk Ges Afl BSA KhH Ktr BtNa DhM Abe Lbs Agi Gg Cls Bsk Bdj Lgt Ah Sbd Ess Mzg Hrh Dzc Clo Ah Ajj Idl Lvv Kdy 01 05 06 07 11 13 14 15 16 18 21 24 25 27 30 31 32 33 35 36 37 38 42 44 46 49 50 51 56 57 58 60 62 63 65 67 71 73 80 01D 05A 06R 06Ra 06Rq 06Y 06Yb 07A 07C 11E 13A 13Ab 13Ax 13C 13Cf 13F 13F25 13F38 13G 13Gü 13Gy 13Gw 13Gs 15F 16A 18F 21N 21Nh 25D 27B 27D 27Db 27Dd 30B 30Bc 30Bt1 30Bz 30D 30Db 30Df 30Du 30Dx 31K 31Ka 31Ka3 31L 31La 33A 33Aj 33Am 33E 33R 33Rb 35O 36D 36Db 36F 36Fb 38C 38Cb 44E 44Ei 44L 44Lc 49F 49Fb 50G 50Ga 50Gd 51B 51Ba 56F 56Fa 58G 58Gh 62G 62Gb 63D 63E 65A 65Ai 65An 65Am 65Am2 65B 65Bn 65Bn1 65D 65Df 65Dg 65Du 65F 65Fa 65Fd 65Fg 65Fi 65Fj 65Fp 65Fu 65Fz 65G 65Ge 65K 65Kl 65Kl1 65Z 65L 65Lb 65Le 65N 65Np 65Np1 65Np2 65Nm 73A 73Ad 73Ad1 73D 73Df 80E 80Ea

99. *Anaplectoides prasina* (Goeze, 1781)

Synonym(s): #prasina [Denis & Schiffermüller], 1775; #hebrida [Denis & Schiffermüller], 1775; prasina Goeze, 1781; egregia Esper, [1787]; jaspidea Borkhausen, 1792 nec De Vill., 1789; mixta Haworth, 1809 nec Fabr., 1787; herbacea Guenée, 1852; albimacula Hormuzaki, 1894

Range (in code): ES FR IT IE GB BE NL LU DE CH AT PL CZ SK HU RO BG GR TR DK NO SE FI EE LV LT RU Ro Kr St Kc Kb Nt Ich Ing Da MD UA Lv BY Cc GG Smt Bku Tbl AM AZ IR Mz Elb Sb KK TrA Ax MN Ui Kön CN Ti KP KR JP CA US 05 08 14 28 36 50 53 61 69 75 05A 08A 14B 36D 53B 53E 53N 75F 75Ff

100. *Antarchaea conicephala* (Staudinger, 1870) (Fig. 10; Map 10)

Synonym(s): conicephala Staudinger, 1870 [April]; conicephala Staudinger, 1870 [Oct.]; barcinonensis Milliéré, 1872; fumicollis Rogenhofer, 1873.

Range (in code): MA FR ES An Mlg Mu BG MK GR Cr CY RU IR Gor Hz Ss Ab Mak Elb Th TR Cc AZ Nv Ord IT Si HV SY SA YE AM EG AE SD 05 08 33 36 44 56 76 05A 08H 33A 33Ac 33R 33Rb 44L 44Lc 56F 76B 76Bb



Fig. 10 - *Antarchaea conicephala*, at rest. NE Turkey, Iğdır Pr., Kentormanı 960m (76Bb), 9.v.2012, M.Kemal (Cesa)

101. *Antitype jonis* (Lederer, 1865)

Synonym(s): jonis Lederer, 1865; amasina Staudinger, 1901

Range (in code): IT YU AL TR LB Bsa SY Cc AZ Nv Ngm IR 04 05 06 07 08 25 30 33 36 38 44 45 46 50 58 62 65 69 70 05A 06E 06Ea 06R 06Rq 07B 25D 25F 25N 25Na 25R 25Rb 30D 30Bj1 36D 36Db 38H 38Hc 50G 50Gd 58G 58Gi 65A 65Am 65Am4 65D 65Df 65F 65Fa 65Fp 65Fz 65K 65Kl6 65Z

102. *Anumeta arax* Fibiger, 1995

Synonym(s): dentistrigata sensu Romanoff, 1885 nec Stgr.; caucasica Rjabov (in litt.); arax Fibiger, 1995

Range (in code): TR Cc AM 76 76A 76Aa 76Ac

103. *Apamea (s.str.) leucodon* (Eversmann, 1837)

Synonym(s): leucodon Eversmann, 1837; bidens Eversmann, 1852; anatolica Rebel, 1933

Range (in code): TR Cc RU Da IL Pa IR Fa Sse AF TM KK Ik Na T-A Sb At MN CN Ui 04 06 13 25 33 36 42 44 46 50 51 58 60 65 04D 04E 06K 06Kc 06Y 13A 13Ab 13Ax 25C 25Ca 36D 36Db 42B 44E 44Ei 44L 58R 60C 65Bx 65D 65Dg 65F 65Fa 65Fm 65G 65Ge 65Gf 65Gy 65L 65Lb 65Le 65N 65Nc 65Np 65Np1 65Np2 65Np5 65Nm

104. *Apopestes phantasma* (Eversmann, 1843)

Synonym(s): phantasma Eversmann, 1843; centralasiae W. Warren, 1913

Range (in code): RU At TR GG Smt Bjo Lag AZ Kir Cc Ch KK Ik AF Srb Kab Ca IR UA Cm TM KG Sau Ui Ku Kön Kml 05 30 36 47 56 05A 36D 56E 56Eh

105. *Armada clio* (Staudinger, 1884)

Synonym(s): clio Staudinger, 1884

Range (in code): TM Kp AF IR TR Cc UZ PK Qu 36 36D 36Db

106. *Auchmis (s.str.) detersa* (Esper, [1791])

Synonym(s): comma [Denis & Schiffermüller], 1775; detersa Esper, [1791]

Range (in code): MA DZ ES Mu FR Si IT DE CH AT PL CZ SK HU RO YU BG GR Cr TR Cc RU Ro St Kb Kc Kr Nt Ich Da IR Fa Elb GlS Kh Mz Dam Com Lo AF TM Kp LB Bsa 01 05 06 08 18 24 25 32 33 37 40 42 50 51 58 66 75 76 01K 05A 05G 06R 06Rb 08H 25F 25R 33E 58G 58Gi 58N 58R 75E 75F 75Ff 76D 76Dd

107. *Autographa gamma* (Linnaeus, 1758)

Synonym(s): *gamma* Linnaeus, 1758; *messmeri* Schädewald, 1992; *voelkeri* Schädewald, 1992.

Range (in code): PT ES Mu FR Co Sa Si IT MT IS IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd TR CY LB Bsa DK NO SE FI EE LV LT RU MD UA BY IQ Agh Mj IR Fa Elb Mz Dam Th Kdj Kz Yas Skh Bu Dlk AF Jla Kab Bsg Nu Adr CN Ui Ku IL Pa Hf JO EG Sn GG AZ AM Cc KK Ik Lvv TrA Ax UZ KG Ro Kr St Kb Kc Nt Ing Da Kyi ET ET24 SY Hal Ak Shf Ab Ar Gh GlS Kh Se Qz Zj Kd Km Lo By Bk Es Bu Ss MA DZ Blid Bsk Tlm Btma Orn Lbs Agi Hrh Abe Khh Ahr Hmk Ges Perr Bdj Ndr DhM TN BSA Sbd Tgr Hes Clo Ajj 01 03 04 05 06 07 08 10 13 14 16 17 18 19 21 24 25 26 28 30 31 32 33 35 37 38 39 42 43 44 47 48 49 50 51 52 56 58 61 62 63 65 66 73 75 76 80 05A 06P 06Pb 06R 06Rb 10K 10Ka 13A 13Ab 13Ax 13F 13F8 13G 13Gg 13Gg 13Gö 13Gs 13Gw 16A 21L 21Lc 21N 21Nh 30B 30Bb 30Bc 30Bc1 30Bz 30Bk 30D 30Df 30Dx 31K 31Ka 31Ka3 31Ka7 33A 33Ac 33Aj 33E 47F 47Fb 44L 44Lc 48L 49F 49Fb 56F 58N 63B 63D 65A 65As 65Bx 65E 65Eb 65Ec 65Eç 65Ed 65D 65Dr 65F 65Fd 65Fu 65G 65Ge 65K 65Kl 65Kl1 65Z 65Kp 65Ku 65L 65Le 65M 65Mc 65Md 65N 65Nc 65Np 65Nr7 65Nm 73A 73Ac 73Ac1 73H 75F 75Fg 76A 76Ac 76B 76Bb 76Bf 76Bh

108. *Autophila (Cheirophanes) ligaminosa* (Eversmann, 1851)

Synonym(s): *ligaminosa* Eversmann, 1851; *caucasica* Herz, 1904.

Range (in code): DZ Sbd Btma Abe Hrh HV TR GR Rd Cc GG Smt Akh Cc AM AZ Kir LB UZ Fe IQ Brs RU Da IR Fa Elb Hb Ss KK Ik Feg KG Tk PK Gg Hu Bl Qu AF Ca AE OM 05 06 08 13 14 17 18 25 33 36 42 46 50 56 65 73 05A 06C 06Cb 13C 13Cf 25F 36D 36F 36Fb 56F 65A 65Am 65Am1 65D 65Dh 65Dy 65Dv 73C 73Cd

109. *Behounekia freyeri* (Frivaldsky, 1835)

Synonym(s): *freyeri* Frivaldsky, 1835; *lintea* Freyer, 1842; *orontii* Herrich-Schäffer, [1851]; *senescens* Eversmann, 1856; *#linthea* Lederer, 1870

Range (in code): MK BG GR TR AM GG AZ Kir Cc RU Da SY 01 05 06 13 18 21 25 30 32 35 36 38 42 46 47 49 50 51 56 62 65 73 05A 13A 13Ab 13Ax 13F 13F38 13G 13Ga 13Gs 13Gw 21N 21Nb 30B 30Bd 30Bt1 30Bz 36D 36Db 38H 47D 49F 49Fb 56F 65A 65Am 65Am1 65Am4 65An 65D 65Dg 65Dh 65Ds 65F 65Fç 65Fg 65Fu 65K 65Kl 65Kl1 65Z 65L 65Lb 65N 65Nc 65Np 65Np2 65Nm 73A 73Ab

110. *Calamia staudingeri* Warnecke, 1941

Synonym(s): *staudingeri* Warnecke, 1941

Range (in code): TR IQ Cc AM RU Ich IR Fa Elb Bk Lo By Es Ha Th Mz Plr Dam Kd 01 04 13 25 30 36 38 42 51 58 65 76 01K 04C 13A 13Ab 13Ac 13Ac2 13Ax 13B 13G 13Gü 13Gw 30D 30Dp 42B 58N 65B 65Bo 65Bx 65D 65Dd 65Df 65Dg 65Dga 65F 65Fa 65Fp 65Fz 65Fr 65G 65Gb 65Ge 65K 65Kd 65Kg 65Kl6 65Z 65N 65Np2 65Nm 76C 76D 76Dd

111. *Calophasia lunula* (Hufnagel, 1766)

Synonym(s): *lunula* Hufnagel, 1766; *linariae* [Denis & Schiffermüller], 1775.

Range (in code): ES FR Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG Hsk GR TR GG Smt Bjo Cc DK NO SE FI EE LV LT RU Ro Kr St MD UA Lvv BY AF CA IR Lo Elb Th Kdj KK Skm KG Tu Tk 01 04 05 06 08 13 14 18 24 25 30 33 36 42 49 50 51 56 58 65 05A 06R 06Rb 13A 13Ab 13Ax 13F 13F38 13G 13Ge 13Gs 13Gw 30B 30Bg 30Bt1 30Bz 30D 30Da 36D 36F 42B 49E 49Ea 56F 56Fh 56Fn 58G 58Gi 65A 65Am 65Am1 65Bx 65D 65Df 65G 65Ge 65F 65Fa 65H

112. *Calyptra thalietri* (Borkhausen, 1790)

Synonym(s): *capucina* Esper, 1789 nec Linn., 1767; *thalietri* Borkhausen, 1790; *sodalis* Butler, 1878; *#thalactri* Moore, 1882; *#intensiva* W. Warren, 1914; *#capuzina* Dannehl, 1925; *#centralitalica* Dannehl, 1925; *pallida* Schwingenschuss, 1938

Range (in code): ES FR IT DE CH AT CZ SK HU RO HV YU AL BG GR TR RU Ro St Kr Nt Ich MD UA BY GG Smt Bjo Mng Lag AM AZ Kir Cc IR Elb Th Plr Mz CN Sz KG Sau KK Skm JP 08 22 36 38 76 38B 76D 76Dd

113. *Caradrina (Eremodrina) melanura* Alpheraky, 1897

Synonym(s): *melanura* Alpheraky, 1897; *samurana* Boursin, 1939; *samurana* Boursin, 1940

Range (in code): Cc AM AZ Nv Ord Kir TR RU Da IR Elb Th Dam Kh TM Kp 76 76D 76Df

114. *Caradrina (Paradrina) selini* (Boisduval, 1840)

Synonym(s): *selini* Boisduval, 1840; *selinoides* Bellier, 1862; *milleri* Schultz, 1862; *jurassica* Riegenbach-Stehlin, 1876; *minor* Staudinger, 1897; *#puengeleri* Draudt, 1934; *telekii* Dioszeghy, [1935]

Range (in code): MA Rf DZ TN LY EG JO PT ES Mu FR Co Sa Si IT MT BE NL DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG Lag CY IL Pa Hf IR Mz Elb Dam Plr DK NO SE FI EE LV LT RU MD UA BY KG 06 07 13 16 36 64 76 13F 13F22 16A 76B 76Ba

115. *Catocala (s.str.) neonympha* (Esper, [1805])

Synonym(s): *neonympha* Esper, [1805]

Range (in code): TR AZ Kir AM GG Cc RU Ro St Ich Da Der At MD UA BY TJ KG T-S Ket Aa TrA Uk KK Ik Smk UZ TM Fe CN Ui Ku Kön Tek Kty AM AF Bd Sen Kab Bark Gbh IR Ab Oru Ha Km Kd Bne Mrv Snj Kaz Mia Fa Bk Qz IQ

JHa Mos Sbn Mq Bsr kut Dy TIH SY 05 13 16 19 23 30 36 42 44 56 58 60 62 65 05A 13B 16A 19P 23I 30B 30Bf 30Bti
30Bz 30D 30Da 36D 36Db 42J 42X 42Xa 44E 44Ec 56F 56Fa 56Fç 65F 65Fa 65Ff 65L 65Lb

116. *Catocala (s.str.) puerpera* (Giorna,1791)

Synonym(s): puerpera Giorna,1791; amasia Esper,[1804] nec Sm.,1797; pellex Hübner,[1809]; orientalis Staudinger,1877; pudica Moore,1879; rosea Austaut,1884; pallida Alpheraky,1887; romana Schultz,1909; syriaca Schultz,1909; tarbagata Schultz,1909; centralasiae Sheljuzhko,1943 nec Kuzn.,1903

Range (in code): MA DZ TN PT ES FR IT CH AT PL CZ SK HU RO YU AL BG GR Rd TR GG Smt Bjo Lag AZ Hkd Cc LB Bei RU MD BY Ld IN Tar Br TM Kp IL Pa SY JO EG Sn IQ IR Ab Qba Fa Km Elb Th Kd Snj Lo Kh Msh CN Ui Chk Au Ln Kl AF Slg Kab Srb KK Skm Sfr Sbd KG Uk RU Or Ro Kr St Sr Dds Ur Cc UA UZ TJ Abe 01 05 06 08 16 18 19 23 25 33 42 50 51 58 65 73 76 05A 16A 19P 23D 23Da 33G 51B 51Ba 65F 65Fa 65Fp 65Fz 65K 65Kp 73D 73Df 76B 76Ba

117. *Chazaria incarnata* (Freyer,1838)

Synonym(s): incarnata Freyer,1838; boisduvali Boisduval,1840.

Range (in code): DZ Orn Ahr BSa Ges Agi PT ES Mu IT RO YU BG GR TR GG Smt Tbl AZ Kir AM Cc RU Ro St Da MD UA BY IR Fa Com Elb Th Kdj Mz Ab Mak Ss Hz B-A Bu Dlk IQ AF Hr Pli IL Pa SY 01 05 06 07 13 18 20 21 23 24 25 33 34 36 38 39 42 44 45 46 50 51 58 63 65 71 01H 05A 06R 13A 13Ab 13Ax 13F 13F21 21N 21Nb 21Nh 23I 36D 36Db 44E 44Ei 44L 44Lc 58N 65A 65Ai 65F 65Fa 65Fp 65I 65K 65Kl 65Z 65M 65Md

118. *Chersotis (s.str.) fimbriola* (Esper,[1798])

Synonym(s): fimbriola Esper,[1798]

Range (in code): MA Rf ES FR Si IT CH AT SK HU RO YU AL BG GR Cr TR Cc AM Eri Geg GG AZ Nv Ord RU Ro Kb Nt Ich MD UA Cm BY IR Kh KuB Elb Kdv Dam Fa Bk By Es Ha Zj Mz Th Ab Bne Sqq Mrv Oru Sdt Lo Kd TM IQ 01 03 04 05 06 08 12 13 18 19 23 24 25 29 30 33 36 38 42 44 46 49 50 51 56 58 60 65 66 69 70 73 76 04D 04Da 04I 05A 06A 06Aa 06B 06Bb 06C 06Cb 06K 06Kc 06R 06Ra 06Y 06Yb 08H 08Ha 08Hb 13A 13Ab 13Ax 13B 13C 13Cf 13F 13F7 13F71 13G 13Gf 13Gy 13Gü 13Gw 19C 23I 25C 25Ca 25F 29A 29Ab 30B 30Bd 30Be 30Bg 30D 30Df 30Dt 33A 33Ae 36D 36Df 36F 36G 38G 38Ga 42B 42D 42O 44F 44Fa 44L 44Lb 44I 46G 49E 49Ea 50G 50Ga 56F 56Fb 56Fq 56Fs 58N 60C 65A 65Ac 65Ac3 65Ab 65Aba 65B 65Bn 65Bn1 65Bo 65Bx 65D 65Df 65F 65Fa 65Fm 65Fp 65Fz 65G 65Gb 65Ge 65K 65Kl6 65Z 65N 65Np1 65Np2 65Nm 66P 70C 70Cb 71C 71Cd 73C 73Cd 73D 73Da 76C

119. *Chersotis (s.str.) juvenis* (Staudinger,1901)

Synonym(s): caelebs Staudinger,1900 nec Stgr.,1896; juvenis Staudinger,1901; clarivenosa Draudt,1936.

Range (in code): AM Cc IR Fa Kh Elb Th Kd Snj TR 02 04 06 13 24 25 30 36 38 42 46 50 51 58 60 65 66 69 73 04D 04Da 06B 06Bb 25N 30B 30Bj1 36D 36Db 50G 50Gd 58G 65A 65Ab 65Aba 65Bx 65F 65Fa 65G 65Ge 65Gü 65Gz 73C 73Cd

120. *Chersotis (s.str.) laeta* (Rebel,1904)

Synonym(s): laeta Rebel,1904

Range (in code): YU B-H AL GR Cr TR Cc AM Geg RU Ing Da IR Fa Bk Ha Zj Elb Th UA? Cm? LB Bsa IL Pa He 01 03 04 05 06 08 14 18 24 25 28 29 30 32 33 36 42 44 46 49 50 51 58 60 65 66 69 70 71 04D 04Da 04I 05A 06R 06Re 08H 08Hb 12C 25C 25Ca 25F 25M 25T 29A 29Ab 30B 30Bf 30Bz 30D 30Da 36D 36Df 38G 38Ga 42B 42J 42X 42Xa 42M 46G 50G 50Ga 58G 58N 65A 65Ab 65Aba 65B 65Bo 65Bx 65D 65Df 65Dg 65Dga 65F 65Fm 65Fz 65K 65Kb 65Z 65N 65Np2 65Nm 70C 70Ce 71B 71Ba

121. *Chersotis (s.str.) multangula* (Hübner,[1803])

Synonym(s): multangula Hübner,[1803]; dissoluta Staudinger,1900; travunia Schawerda,1912; stojanovi Touleschkov,1951.

Range (in code): MA Py ES FR Si IT BE LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR RU Nt Ich Ing Da MD UA BY LB Bsa SY IR Zj Elb Th Dam Lo AM Cc TM Am Us IL Pa 03 04 05 08 13 14 18 25 30 32 33 36 42 46 50 51 58 60 66 76 05A 13F 13F71 13G 13Gü 13Gw 25F 25T 36D 42B 42D 58N 60C 76C

122. *Chrysodeixis chalcites* (Esper,[1789])

Synonym(s): chalcites Esper,[1789]; chalsytis Hübner,1790; bengalensis Rossi,1794; quaestionis Fabricius,1794; verticillata Guenée,1852; integra Walker,1858; adjuncta Walker,1865

Range (in code): PT ES Mu FR Co Sa Si IT MT GB BE NL DE CH AT HU RO YU AL BG GR Cr Rd TR CY IQ Mj Amr LB Bsa Bei SY IL Pa Hf JO DK RU Cc St MD UA BY ZA Sk KE MW ZW Har BW Nga Nta Kzu Kkf Dbn YE Ad IN LK MM CN JP HW WS FJ TO NH SB PG AU MY IR Mz Elb Th Fa Kaz Mia Hz B-A Kd Mrv Dam Qz Se Lo Ss By Hal DZ Anna Clo Abe Hrh Btina Agi Lbs MA 01 05 06 07 13 16 31 33 36 46 56 61 63 05A 06R 06Rq 06Y 06Yb 07B 13F 13F35 16A 31K 31Ka 31Ka7 36D 36Db 46L 56E 56Eh 63E

123. *Cleonymia (Serryvania) opposita* (Lederer,1870)

Synonym(s): opposita Lederer,1870; #obscurior Osthelder,1933.

Range (in code): YU BG GR TR AM Cc AZ Kir Pa IL IQ SY JO IR Ab Oru Mak Km 01 02 05 06 13 18 21 24 25 27 30 32 33 36 42 44 46 47 49 50 51 56 58 60 62 63 65 73 02F 02Fe 02Fz 05A 06R 06Rh 06Y 06Yb 13F 13F24 18F 21L 21Lc 21N 21Nb 21Nc 21Nh 25F 27D 27Da 30B 30Br 30Bz 30D 30Df 33G 36D 36Db 42B 44E 44Ei 47D 49E 49Ea 49F 49Fb 56F 56Fg 56Fç 56Fv 58R 63B 63Ba 65D 65Dg 65Di 65F 65Fd 65Fg 65Fm 65Fr 65Fp 65Fz 65L 65Lb 65N 65Np 65Np2 65Nm 73E 73Eb

124. *Cornutiplusia circumflexa* (Linnaeus, 1767)

Synonym(s): *circumflexa* Linnaeus, 1767; *lunata* Fabricius, 1787; *flexuosa* Donovan, 1807; *daubii* Freyer, 1838; *graphica* Herrich-Schäffer, 1851; *patefacta* Walker, [1858]; *reticulata* Moore, 1882; *clarescens* Pinker & Bacallado, 1975; *#unata* Kononenko & Pinratana, 2005

Range (in code): Md Cn PT ES Si IT GB CH RO AL BG GR TR Cc CY IQ kut Kro Amr Mj Agh FI RU MD UA BY IR Fa By Kz Yas Hz Ss Ke Kh Ab Oru Mak Elb Th Mz CN Ui Ku KK Ik UZ KG DsA AF Ca Hr Gbh ZA Gau Pre Tva Ec Grh Cto Wca Nta Kzu Est IN NP LK LB Bsa IL Pa Hf SY JO TH Cma Php MM GG AM AZ Cc Skh Sdt Ak Ar Gh GlS Kh Se Ha Kd Km By Bk Es Bu Ke Hz Ss Snj Lo Kaz Mia Dlk B-A TM Kp N-A TJ Chr Pm Ro Kr Kb Ke Nt Ich Da ET ET24 ET36 ET86 ET196 DJ DJ44 Smt Bjo Lag Dar Nv Ord Hal 01 04 05 06 07 08 13 16 18 20 21 22 24 25 27 30 31 33 34 35 38 44 46 47 48 50 51 56 60 63 65 66 73 76 80 05A 13A 13Ab 13Ae 13Ax 13F 13F24 13G 13Gü 13Gw 13Gz 16A 21N 21Nh 30B 30Bç 30Bt1 30Bz 30D 30Df 44E 44Ei 47G 56F 63D 65A 65Ac 65Ac3 65Am 65Am2 65An 65Ai 65Bx 65D 65Dl 65Dlc 65Ds 65G 65Ge 65F 65Fd 65Fr 65Fu 65K 65Kl1 65Z 65Kp 65L 65Lb 65Le 65N 65Ne 65Nc4 65Nm 65Np 65O 73A 73Aç 73Al 76A 76Ac

125. *Cryphia (Bryoleuca) petricolor* (Lederer, 1870)

Synonym(s): *petricolor* Lederer, 1870; *galathea* Millièrè, 1875; *amoenissa* Turati, 1909; *iranica* Schwingenschuss, 1937; *#solimana* Draudt, 1937

Range (in code): DZ Sfr FR IT CH GR Cr BG TR AM AZ Hkd RU Cc St Nt Ich Ing IR Elb Kdv Th Mz Diz Dam GG Tbl Smt Bjo Mng AM AZ Kir 04 08 13 18 25 29 36 53 58 75 04C 04D 08H 13F 13F41 25R 25Rb 25T 36D 36F 53N 58N 75F

126. *Cucullia (s.str.) argentina* (Fabricius, 1787)

Synonym(s): *argentina* Fabricius, 1787; *grisescens* F. Wagner, 1931 nec Lch., 1900; *anatoliensis* Koçak, 1980.

Range (in code): DZ Sfr BtNa BSa Kkh SK BG RU Ro St Kyi Da MD UA BY TR Cc IR Elb Th Dam Ab Oru Mak Fa Ss Kh CN Ui Khr Ku KG Tk Dj 04 05 06 13 14 25 27 30 36 38 42 50 58 65 71 04E 05A 06C 06Cb 06K 06Kc 13A 13Ab 13Ax 13G 14H 25A 30B 30Bg 30Bt1 30Bz 36D 36Db 36F 42B 58G 58Gi 58N 65F 65Fa 65Fç 65Fz 65L 65Le 65N 65Np6 65Nm

127. *Cucullia (s.str.) boryphora* Fischer v. Waldheim, 1840

Synonym(s): *boryphora* Fischer & Waldheim, 1840; *lignata* Guenée, 1841; *rimula* Freyer, 1842

Range (in code): DE SE FI RU Sr MD UA BY TR Cc IQ Kbl IR Ss Kh CN Ui AF Hr Srb TM KK Ik PK Cls IN Ld Ch LB 02 36 42 50 76 42B 50G 76A 76Ac

128. *Cucullia (s.str.) improba* Christoph, 1885

Synonym(s): *improba* Christoph, 1885; *leptographa* Reisser, 1958

Range (in code): MT TR TM Krn K-A Cc AZ Nv Ord IR Es Gor Elb Th Kdj JO AF KK Ik UZ KG Tk Dj 36 36D 36Dc

129. *Dichagyris (Albocosta) musiva* (Hübner, [1803])

Synonym(s): *musiva* Hübner, [1803]

Range (in code): ES FR IT DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc RU Kr Ich Ing Da MD UA BY CN Ui Chk MN KK TrA 36 42 60 75 36D 36Db 42B 75F 75Fa 75Ff

130. *Dichagyris (Yigoga) nachadira* (Brandt, 1941)

Synonym(s): *nachadira* Brandt, 1941

Range (in code): IR Ss Th Elb TR UA AM Cc IQ KG TM TJ 06 25 36 38 42 50 56 58 65 25T 36D 50G 50Gd 56F 56Fb 58G 65Bx 65G 65Ge

131. *Dichagyris (Yigoga) serraticornis* (Staudinger, 1898)

Synonym(s): *serraticornis* Staudinger, 1898

Range (in code): ES IL Pa Js TR Cc IR Fa 06 13 23 36 47 50 58 63 06Y 13D 13Da 23D 23I 36D 36F 47F 47Fb 58G 63H 63L

132. *Dichagyris (s.str.) celebrata* (Alpheraky, 1897)

Synonym(s): *celebrata* Alpheraky, 1897; *persiaca* Kozhantshikov, 1929; *armeniaca* Kozhantshikov, 1930

Range (in code): RU TM Kp IR Se Ss Elb Th Fa Shr Mz GlS Kh AF Hk Uk KG TR PK Gg Psu Sst 04 06 25 30 36 40 50 65 70 04C 06Y 06Yb 25T 30B 30Bd 30Bz 36F 36Fb 36D 40D 50G 50Gd 50Gc 65Bx 65G 65Ge

133. *Dichagyris (s.str.) renigera* (Hübner, [1808])

Synonym(s): *renigera* Hübner, [1808]; *dumosa* Donzel, 1837; *caucasica* Staudinger, 1877; *funebis* Staudinger, 1892; *nigrescens* Kitt, 1925 nec Höfner, 1888; *funestissima* Bubacek, 1926; *argentina* Caradja, 1930.

Range (in code): ES FR Si? IT CH AT RO YU AL MK BG GR TR Cc AZ Nv Ord GG Mng Smt Akh RU Ro St Kc Kb Nt Ich Ing Da MD UA BY 04 05 06 08 18 25 30 36 42 47 50 51 56 58 62 65 69 04D 04Da 05A 25C 25Ca 36D 47D 56F 56Fv 56Fs 56Fb 56Fq 58N 65B 65Bo 65Bx 65G 65Ge

134. *Dichagyris (s.str.) squalorum* (Eversmann, 1856)

Synonym(s): *squalorum* Eversmann, 1856; *nigrolineata* Kozhantshikov, 1930

Range (in code): RU Ro St Da Ur Sb SY IQ Cc AM AZ Nv Ord TR IR Fa Lo Es Ke Kh Ha Zj Mz Yz Zj Ab Sdt Th Lo Kd Sqq Mrv Km TM 01 02 04 12 13 23 24 25 30 36 44 50 51 58 65 69 76 01H 02F 02Fz 04C 04D 04Da 13A 23I 25A 25F 25R 30B 30Bg 30Bz 30Bd 30Bf 30Bh 30D 30Da 30Db 36F 36Fb 36D 50G 50Gc 51B 51Ba 58G 58Gi 65Bx 65F 65Fa 65Fm 65G 65Ge 65L 65Lb 76C

135. *Dichagyris (s.str.) terminicincta* (Corti & Draudt, 1933)

Synonym(s): terminicincta Corti & Draudt, 1933; maraschi Corti & Draudt, 1933.

Range (in code): TR IR Elb Fa Ha Kh Bk Zj Mz Ab Sdt Sqq Snj Mrv Kd Th Ss Se KuB AM Eri Cc RU Kyi IQ AF Pag LB Bsa IL Pa 02 04 12 13 25 30 36 44 46 51 58 65 69 02F 02Fz 04C 04D 04Da 25A 25C 25Ca 30B 30Bg 30Bh 30Bt1 30Bz 30D 30Da 36F 36Fb 36D 44E 51B 51Ba 58G 58Gi 65A 65Ab 65Aba 65Ac 65Ac3 65Aş 65Bx 65F 65Fa 65Fm 65Fz 65G 65Ge 73C 73Cd

136. *Dichagyris (s.str.) vallesiaca* (Boisduval, [1837])

Synonym(s): vallesiaca Boisduval, [1837]

Range (in code): FR IT CH RU Ro Ich Da TR MD UA Cm Cc GG Bjo Tbl IR Ss Elb Th Mz Kd Snj Mrv Dam Kh KuB Fa TJ Pm Chr KK Ik Skm PK Bbu Psu Gg 08 25 36 40 42 50 56 58 65 08H 08Ha 25C 25Ca 25F 36D 40D 42B 42D 50G 50Gc 50Gd 56F 58G 65E 65F 65Fa 65N 65Np2 65Nm

137. *Drasteria caucasica* (Kolenati, 1846)

Synonym(s): caucasica Kolenati, 1846; astrida Eversmann, 1856; aksuensis Fuchs, 1903.

Range (in code): RO AZ Kir Hkd Nv Ord Bak GG Smt Akh AM Cc RU To Ro Kr Ich Kyi Da TR IR Fa Ha Elb Th Kdj UZ Fe Man Nmg Ui Khr Ku Au KK Frz Ik Osh Skm KG Sp DsA Uk Tk Dj Aa AF Hr Srb Blh Pli Bd Bark TJ Pm Chr 13 21 23 24 25 30 36 42 44 50 51 58 65 73 13A 13B 21N 21Nb 25T 30B 30Bd 30Bg 30Bt1 30Bz 36D 36Db 44L 51D 58G 65B 65Bo 65Bx 65D 65Dv 65F 65Fr 65Fp 65Fz 65K 65Kl 65Z 65Ku 65L 65Lb 65N 65Np 65Np5 65Nm 73A 73Ad 73Ad2

138. *Drasteria flexuosa* (Ménétriés, 1848)

Synonym(s): flexuosa Ménétriés, 1848; singularis Kollar, [1849]; inepta Butler, 1881.

Range (in code): RU Cc Kyi Da TR EG IL Pa SY JO IQ Agh Tkr IR Kh Lo Fa Ss Bu Dlk Ke Fa Ab Elb Th Mak Ak Oru Sdt Mrd Kd Snj Ariz Bjr Shr Ma AF Gbh Arh Pag Nu Bsg Srb Kab Pli Blh Bd Fz Hr PK Bl Chm TM KG Tk Dj Aa KK Ik CN Ui Ku Kl Ga Kml MN Uli AZ Bak Nv Ord UZ Fe Smk Br 04 05 21 23 36 63 76 05A 36D 63B 76B 76Ba

139. *Drasteria picta* (Christoph, 1877) (Fig. 11; Map 11)

Synonym(s): picta Christoph, 1877; radapicta Staudinger, 1901.

Range (in code): RU Cc Da TR TM Kp Krn Ui Khr Ku Kl Ln AZ Kir Nv Ord UZ Fe Nmg Smk Br IR Men KG Tk Dj 76 76A 76Aa 76Ac

140. *Drasteria rada* (Boisduval, 1848) (Fig. 12; Map 12)

Synonym(s): rada Boisduval, 1848; roda Herrich-Schäffer, 1851; altivaga Alpheraky, 1894; christophi Alpheraky, 1895

Range (in code): RU TR UA Ui Ku Tlk Kl KK Skm Ik KG Aa Uk Tu Tk Dj AZ Nv Ord Kir Hkd Cc IR Ab Ak Shf Mrd Khy AM 36 63 76 36D 36Db 36Df 76A 76Aa 76Ac 76D 76Da



Figs 11, 12 - *Drasteria picta* (left) and *Drasteria rada* (right). NE Turkey, Iğdır Pr., Aralık (76Ac), 21.iv.2012, M.Kemal (Cesa)

141. *Drasteria saisani* (Staudinger, 1882)

Synonym(s): saisani Staudinger, 1882; clara Staudinger, 1895; #zaisani John, 1910.

Range (in code): RU Da KG Tar Ssn Tk Dk TR IR Kh KuB Elb Th Diz Dam Plr KK Ik T-A Feg Skm Ui Ii PK AF Nu Bsg AZ Kir Nv Ord Cc TM Kp UZ N-A 01 04 06 08 12 13 21 25 30 33 36 42 44 47 49 50 51 56 58 65 66 76 06B 06Bb 06C 06Cb 06R 06Re 08H 13A 13Ac 13Ac2 13Ac 13Ax 13F 13F19 21L 21Lc 30B 30Bc 30Bc1 30Bc5 30Bd 30Bg 30Bz 30D 30Da 30Df 33R 36D 36Db 36F 49E 49Ea 56F 58G 65A 65Am 65Am1 65Am4 65C 65D 65Df 65F 65Fp 65Fz 65G 65Gb 65K 65Kb 65Kl 65Kl1 65Kl6 65Z 76D 76Da

142. *Epipsammia cretacea* (Staudinger, 1888) (Map 13)

Synonym(s): cretacea Staudinger, 1888.

Range (in code): UZ TJ TM TR Cc IR Elb GlS Kh 76 76D 76Df

143. *Eublemma (albida-gr.) gratissimum* (Staudinger, 1892)

Synonym(s): albida auct.; gratissima Staudinger, 1892; infuscata Staudinger, 1892; transmittens Christoph, 1893; peralba Schawerda, 1923.

Range (in code): IQ Mos Kbl LB Bsa CY TR Cc LB Bei JO IL Pa Hf IR Fa Km Kd Snj Lo TM AF 01 05 07 08 13 17 23 24 25 30 31 40 44 46 47 50 56 58 62 65 73 76 01K 05A 08H 08Ha 13A 13Ab 13Ac 13Ax 13B 13F 13F7 13F71 13G 13Gg 17C 25F 30B 30Bd 30Bc1 30Bc 30Bt1 30Bz 31K 31Ka 31Ka5 31M 44E 44Eh 44Ei 44I 44Lc 44L 44Lc 47D 56F 56Fa 56Fm 56F1 56Fc 56Fs 65B 65Bo 65Bx 65D 65Df 65F 65Fm 65Fz 65K 65Kb 65Kd 65Kg 65Kl 65Kl6 65Z 65L 65Le 65N 65Ne 65Nc4 65Np2 65Np5 65Nm 73A 73Ad 73Ad2 76C 76D 76Da

144. *Eublemma (albida-gr.) hansa* (Herrich-Schäffer, [1851])

Synonym(s): hansa Herrich-Schäffer, [1851]; maraschensis Osthelder, 1933

Range (in code): RU TR AZ Kir Hkd Cc Da Der IR Elb Th Kd Bne Mrv Snj Lo Sqg IQ? SA? AF? LB? JO CY 01 04 13 23 30 36 44 46 50 65 76 13A 13G 13Gg 23I 30B 30Bf 30Bz 36D 44F 44Fa 65F 65Fp 65Fz 76C

145. *Eublemma (albida-gr.) stramineum* (Staudinger, 1892)

Synonym(s): straminea Staudinger, 1892 Range (in code): GR TR Cc IR Ha AF Hr Gbh Srb Bsg CY BH IQ 01 04 13 23 30 36 44 46 50 58 62 65 13A 13G 13Gg 23I 30B 30Bf 30Bz 36D 44F 44Fa 65F 65Fp 65Fz

146. *Eublemma (candidana-gr.) minutatum* (Fabricius, 1794)

Synonym(s): minutata Fabricius, 1794; noctualis Hübner, 1796; paula Hübner, [1809].

Range (in code): ES FR Co IT BE DE CH AT PL CZ SK RO YU AL BG GR AM TR Cc GG Lag AZ Nv Ord DK NO SE FI EE LV LT RU Ro Ich MD UA BY LB Bsa 08 13 18 24 25 30 36 42 44 46 47 50 56 60 65 76 13A 13Ab 13Ac 13Ac1 13Ax 13F 13F7 13F71 30B 30Bt1 30Bz 30D 30Df 36D 36Db 44E 44Ei 44L 44Lc 47D 56F 56Fc 56Fs 56Fq 65A 65Am 65Am1 65D 65Df 65Dh 65Fz 65G 65Gb 65Gf 65Gy 65N 65Nb 65Np1 65Np6 65Nm 76B 76Bb 76C

147. *Eublemma (rosina-gr.) purpurinum* ([Denis & Schiffermüller], 1775)

Synonym(s): purpurina [Denis & Schiffermüller], 1775; secunda Staudinger, 1901.

Range (in code): DZ DhM Lbs TN Khh PT ES Mu FR Si IT CH AT PL CZ SK HU RO YU AL BG GR TR IR Elb Mz Th FI RU GG Smt Bjo Lag AZ Kir Nv Ord Cc Ro Kr St Ich Da Kyi MD UA BY CN Ui Ku 03 05 10 14 18 24 34 36 42 44 50 56 60 62 65 05A 14B 14Bb 36D 36Db 44L 44Lc 56F 56Fs 65C

148. *Eublemma (rosina-gr.) pusillum* (Eversmann, 1834)

Synonym(s): pusilla Eversmann, 1834; proxima Fischer von Waldheim, 1840

Range (in code): KG MN At RU Or Ro St Cc AM UA TR 04 65 76 65B 65Bo 65Bx 65D 65Df 65Fz 76D 76Df

149. *Eulocastra diaphora* (Staudinger, 1879)

Synonym(s): diaphora Staudinger, 1879; triangularis W. Warren, 1888; atribasalis Hampson, 1896; laticincta Staudinger, 1898.

Range (in code): Cn MR MA DZ Ajj Ah Hes Omy Bsk TN RU TR YE Ad Cc GG AZ Nv Ord AM IR Fa Hz Ss Kd Bjr Zj Bne Mrv Lo Snj Ab Oru Mak Hz B-A Chh AF IQ IL Pa SA LB SY JO Sn EG ER PK Cp Gg Cls IN 05 06 08 09 13 18 24 25 30 33 36 42 44 47 50 51 58 65 69 70 73 76 05A 13F 13F21 30B 30Bc 30Bc5 30Bc 30Be 30Bi 30Bj 30Bt1 30Bz 30D 30Df 33A 33Am 36D 36Db 44E 44Eh 44Ei 47D 58G 58N 65B 65Bo 65Bx 65D 65Df 65F 65Fp 65Fz 65L 65Lb 65N 65Np2 65Np5 65Nm 70C 70Cf 73C 73Cd 76D 76Dd

150. *Euxoa (Chorisagrotis) adumbrata* (Eversmann, 1842) (Map 14)

Synonym(s): adumbrata Eversmann, 1842; norwegica Staudinger, 1861; polygonides Staudinger, 1874; inexpectata Alpheraky, 1897; variegata Wagner, 1913; melania Nagano, 1918; arenacea Kozhantshikov, 1923; expugnata Corti, 1932; pamiricola Kozhantshikov, 1937; friedeli Pinker, 1980

Range (in code): RU Ur Da Cc NO KG Tk Dj Ui Alt Au Pm Chr TJ TR MN IR Elb Th KK TeA TrA PK Bbu Gg Psu 06 36 58 70 06Y 06Yb 36D 36De 36F 58G 58Gi 58R 70C 70Cb

151. *Euxoa (Orosagrotis) difficillima* (Draudt, 1937) (Map 15)

Synonym(s): difficillima Draudt, 1937

Range (in code): TR Cc AM IR Mz Yz Fa Kh Lo Elb Th TJ Pm AF Adr 04 12 13 25 30 36 38 51 56 65 68 04C 04D 04Da 13A 25A 25C 25Ca 25F 30B 30Be 30D 30Da 36D 36F 38G 38Ga 51B 51Ba 56F 56Fs 65Bx 65F 65Fa 65G 65Ge 68B 68Bb

- 152. *Euxoa (s.str.) anatolica* Draudt, 1936** (Noctuidae) **Synonym(s):** *anatolica* Draudt, 1936. **Range (in code):** RU Da Cc TR LB 06 07 14 36 42 46 50 58 06D 06Da 06Y 06Yb 07C 07Cc 14I 36D 42B 46K 50G 50Gd 58G 58Gi
- 153. *Euxoa (s.str.) aquilina* ([Denis & Schiffermüller], 1775)**
Synonym(s): *aquilina* [Denis & Schiffermüller], 1775; *fictilis* Hübner, [1813]; *unicolor* Hübner, [1813]; *petrina* Mayer, 1937.
Range (in code): MA ES FR Co Sa Si IT BE NL DE CH AT PL CZ SK HU RO YU BG GR TR GG Tbl Smt Bjo Bku Mng Der AZ Kir AM Cc MD UA BY KK Tk Nrk TeA TrA UZ KG RU Ro Kr Kb Nt Ich Ing Kyi Da Ur IL JO Pa LB Bsa SY TM Kp IR Ab Sdt Kd Snj Mrv Sqg Ak Fa Sse Bk Lo By Skh Es Ke Mz CN DZ Bsk 04 05 06 08 12 13 14 18 19 24 25 30 32 36 40 42 46 50 51 56 65 68 75 76 04C 05A 06Y 06Yb 08H 08Hb 12C 12Cb 13G 13Gü 13Gw 14B 14Bc 14E 14Ea 18C 18F 18I 19P 25A 25C 25Ca 30D 30Da 30Db 30Dc 32F 36D 36Dd 40D 42D 50G 50Ga 50Gb 50Gc 51B 51Ba 51D 51Da 56F 56Fm 58G 58Gi 65F 65Fa 65Fm 65Fp 65Fz 65L 65Lb 68H 75F 75Ff 76C
- 154. *Euxoa (s.str.) birivia* ([Denis & Schiffermüller], 1775)**
Synonym(s): *birivia* [Denis & Schiffermüller], 1775; *honnoratina* Donzel, 1837; *cuprina* Staudinger, 1900; *sudeticola* Skala, 1929; *caucasica* Spuler, 1908; *flavisignata* Corti, 1932.
Range (in code): FR IT DE CH AT PL CZ SK HU RO YU AL TR IR Cc AM GG Smt Bjo RU St Kb Nt Ich Ing Da MD UA BY CN Ui Ii Kl Au KK Na Ik 04 06 08 18 24 25 28 30 36 44 46 53 58 65 75 04D 04Da 04I 06R 06Rb 06Rk 06H 08Hb 18F 25C 25Ca 25F 25K 25R 30B 30Bd 30Bz 30Bf 36D 36F 53B 58G 58Gi 58N 65B 65Bo 65Bx 75D 75F 75Ff
- 155. *Euxoa (s.str.) distinguenda* (Lederer, 1857)**
Synonym(s): *distinguenda* Lederer, 1857.
Range (in code): DZ Lbs FR Si IT MT CH AT PL CZ SK HU RO YU AL BG GR Cr RU Ro St Kr Kyi Da Ur Sr MD UA TR Cc AM LB Bsa IL Pa JO KG At KK Ik IR Elb Mz 01 04 06 08 13 14 18 23 25 30 36 42 46 50 56 58 60 62 65 70 71 73 01D 01L 01La 04D 04Da 06R 06Rb 06Rc 06Rq 06Y 06Yb 08H 08Hb 13C 13Cf 13D 13Da 13G 13Gg 14B 14Bb 14I 18F 25R 25Rb 30B 30Be 30Bh 30Bj 30Bz 36D 42B 42D 50G 50Ga 50Gd 56F 56Fs 56Fq 56Fm 58G 58N 60C 62G 62Gb 65F 65Fa 65Fp 65Fz 65G 65Gj 65N 65Np 70C 70Cb 73C 73Cd
- 156. *Euxoa (s.str.) heringi* (Christoph, 1877) (Map 16)**
Synonym(s): *heringi* Christoph, 1877; *marcens* Christoph, 1893; *signata* Staudinger, 1900; *achyricola* Corti, 1931.
Range (in code): LB Bsa SY Cc AM RU Kb Nt Da TR IR Elb Th Fa Lo Km Kdv Dam Kdj Ha Kd Mrv TM Kp AF 04 06 13 24 25 30 40 42 46 50 51 58 60 65 68 70 76 04C 06D 06Da 06Y 06Yb 13G 13Gü 13Gw 25F 25T 30B 30Bd 30Bz 36D 42B 50G 50Gd 51B 51Ba 58G 58N 65Bx 65F 65Fa 65Fp 65Fz 65G 65Ge 68B 68Bb 70C 70Cb 76C
- 157. *Euxoa (s.str.) homicida* (Staudinger, 1900)**
Synonym(s): *homicida* Staudinger, 1900; *#homicia* Hacker & Kautt, 1999.
Range (in code): IT Si RO GR Cr TR Cc IR Kh Fa Ke Ha Ss Elb Kdv Dam Kdj Kd Lo Hz Th Mz GlS TM Kp AF Hr Gbh Arh Srb PK KK Ax CN Ui Kl Kno Ts KG Tk TrA TJ Pm 04 05 06 07 13 18 24 25 29 30 32 36 40 42 44 46 50 51 58 60 62 65 66 71 04C 04D 04Da 05A 05G 06Y 06Yb 07A 13A 13Ab 13Ax 13G 13Gü 13Gw 18F 18I 24L 25A 25C 25Ca 25R 29F 30D 30Da 30Db 30Df 32F 36D 36Dd 36F 40D 42D 42R 42Rb 42Rc 44E 46L 50G 50Ga 50Gb 50Ge 50Gd 51B 51Ba 58G 58N 58R 60C 62G 65D 65Df 65Fz 65G 65Gb 65Ge 65B 65Bo 65Bx 65K 65Kl 65Z 65N 65Np 65Np2 65Np5 65Nm 66P 68B 68H
- 158. *Euxoa (s.str.) rubrior* Pinker, 1980**
Synonym(s): *rubrior* Pinker, 1980; *kansui* Kornoşor, 1989; *oezeri* Kornoşor, 1989; *loedlii* Kornoşor, 1989
Range (in code): TR Cc 01 21 36 58 36D
- 159. *Euxoa (s.str.) scurrilis* Draudt, 1937**
Synonym(s): *scurrilis* Draudt, 1937
Range (in code): TR Cc IR Elb Th Dam Lo Fa Com IQ 01 12 13 24 25 30 36 42 50 51 58 65 01L 01La 12C 12Cb 13G 13Gü 13Gw 25C 25Ca 25R 25T 30B 30Bg 30Bz 30D 30Da 30Df 36D 51B 51Ba 51Bc 58G 58Gi 65A 65Ac 65Ac3 65Ab 65Aba 65B 65Bo 65Bx 65D 65Df 65F 65Fp 65Fz 65G 65Gb 65K 65Kb 65Kl 65Z
- 160. *Euxoa (s.str.) temera* (Hübner, [1808])**
Synonym(s): *temera* Hübner, [1808]; *ruris* Hübner, [1808]; *villiersii* Guenée, 1837; *declarans* Walker, [1857]; *alphonsina* Fernald, 1918; *boursini* Schawerda, 1931; *perambulans* Corti, 1931; *leucotera* Bytinski-Salz & Brandt, 1937.
Range (in code): MA DZ TN PT ES FR Co Sa Si IT CH AT PL CZ SK HU RO YU AL BG GR RU Kr Da MD UA BY TR SY LB IL Pa JO Cc AZ AM GG IR Elb Gh Th Kdj IQ Bgd SA 01 05 06 07 13 25 33 36 42 46 50 58 59 60 65 70 71 01D 01L 05A 05E 05G 06D 06Da 06Ea 06R 06Rq 06Y 06Yb 07B 13G 13Gü 13Gw 14I 25R 25Rb 25T 33E 36D 36Db 50G 50Ga 50Gb 50Ge 50Gd 58G 59D 60C 65Bx 65F 65Fa 65Fm 65Fp 65Fz 65G 65Ge 65K 65Kl 65Z 65N 65Nc 65Nc4 65Np 65Np2 65Nm 70C 70Cb
- 161. *Grammodes stolidi* (Fabricius, 1775)**
Synonym(s): *stolidi* Fabricius, 1775; *cingularis* Hübner, [1808]; *stipida* Herrich-Schäffer, 1851; *curvilinea* Walker, 1869.

Range (in code): DZ TN Gf PT ES Mu FR Co Sa Si IT MT IE GB DE CH AT PL CZ SK HU RO YU AL BG GR Cr CY TR DK SE FI EE LT RU MD UA Cm BY GG AZ AM Cc IQ IR Fa Ss LB IL Pa EG SA IN AF Nu Bsg PK Bl Bol ZA Tva Lpo Spb Mdk Gau Pre Jh AU SL ZR ET ET24 SD KE NA Nta Kzu Ec YE Ad Dds He Mz GlS Ak Mrd Lo Mia Kaz UZ N-A Ro Kr Kb Nt Da Kyi BW Dmr Nga Cp C-P Mh Nsk Gha Ges BSa Out Btina Dzc Agi Ktr Abe Sbd Bsk Onç Ah TD Tbt 01 05 06 07 08 09 13 16 18 31 33 35 36 39 44 56 62 63 65 73 76 05A 07B 09K 09Ka 13F 13F35 13F41 16A 31K 31Ka 35U 36D 36Db 44E 44Ei 44I 44Ic 44L 44Lc 56F 56Fo 56Fa 56Fç 56Fö 56Fv 56Fj 56Fm 62H 63D 65D 65Dv 65F 65Fa 73D 73Df 76B 76Bb

162. *Hadena (Anepia) musculina* (Staudinger, 1892)

Synonym(s): musculina Staudinger, 1892; mayeri F. Wagner, 1931

Range (in code): TR Cc 02 04 12 25 30 36 42 44 46 50 51 58 60 65 70 73 04D 04Da 30B 30Be 30Bj 30Bz 36D 42B 44L 51B 58G 58Gi 65Bx 65G 65Ge 73C 73Cd

163. *Hadena (Anepia) syriaca* (Osthelder, 1933)

Synonym(s): syriaca Osthelder, 1933; osthelderi Draudt, 1933.

Range (in code): Si IT RO YU BG GR CY RU Ro St TR PK Bl Qu EG PL BG MK Cc AZ Nv AM SY Dms IR Fa Sse IQ IL Pa JO 01 02 04 05 06 08 14 18 24 25 27 30 32 36 42 44 46 47 50 51 58 60 65 66 73 04D 04E 05A 06R 06Re 25A 25B 25C 25Ca 25R 25Rb 25T 30B 30Bd 30Bc1 30Bz 30Bh 30Bg 30Bj1 32F 44E 44Ei 36Da 58N 58G 58Gi 58R 60C 65Bx 65F 65Fa 65Fm 65Fp 65Fz 65G 65Ge 65K 65Kl 65Z 73A 73C 73Ab

164. *Hadena (Enterpia) laudeti* (Boisduval, 1840)

Synonym(s): laudeti Boisduval, 1840; cretacea Eversmann, 1847; loudeti Spuler, 1907

Range (in code): ES FR IT CH YU BG GR TR AM AZ Kir Cc RU Ro Da Ahy Sr IL Pa SY LB Sn EG JO IQ IR Ab Mak Ak Mar Ha Elb Th Kdj Dam Mz TM Kp UZ KG 01 02 04 05 13 30 33 35 36 42 44 46 47 50 51 58 60 63 65 70 75 02F 02Fe 02Fz 05A 13C 13Cf 30B 30Bd 30Bg 30Be 30Bz 30D 30Da 36D 47D 50G 51B 58G 58Gi 58R 65Bx 65D 65Dx 65F 65Fa 65G 65Ge 75F 75Ff

165. *Hadena (Enterpia) roseocandida* (Hacker, 1996)

Synonym(s): roseocandida Hacker, 1996

Range (in code): TR Cc IR Elb Th Fa Lo Ha Mia 01 04 06 12 13 22 23 25 30 36 42 46 50 56 58 65 70 13A 13Ab 13Ax 13F 13F35 30B 30Bç 30Bc1 30Bf 30Bh 30Br 30Bz 30D 30Da 30Df 36D 36Db 50G 56F 56Fm 58G 58Gi 58R 65A 65Ai 65D 65Df 65F 65Fp 65Fz 70C 70Ce 70Cf

166. *Hadena (s.str.) chrysographa* Hacker, 1996

Synonym(s): chrysographa Hacker, 1996

Range (in code): TR AZ Cc AM Eri IR Zj Ha 04 08 25 29 36 65 75 04D 08H 25A 25F 25I 36D 36De 65B 65Bk 65D 65Dd 65Fz 75E 75F 75Ff

167. *Hadena (s.str.) gueneei* (Staudinger, 1901)

Synonym(s): gueneei Staudinger, 1901; guenei Hampson, 1905

Range (in code): IT B-H HV MK GR CY TR IL Pa AZ AM Cc IR Lo Kh Elb Th Plr Kz Yas Fa IQ TM 01 02 03 04 06 08 12 13 16 18 24 25 30 31 33 36 42 46 47 50 56 58 65 66 71 80 02F 02Fd 02Fz 06K 06Kb 06R 13A 13Ab 13Ax 13F 13F35 13G 13Ge 16A 30B 30Bg 30Bz 30Bh 30Bj1 36D 47D 56F 56Fö 58N 65Bx 65D 65Dg 65F 65Fa 65Fr 65Fp 65Fz 65G 65Ge 65N 65Np6 65Nm

168. *Hadena (s.str.) melanochoa* (Staudinger, 1892)

Synonym(s): melanochoa Staudinger, 1892

Range (in code): BG TR RU Kb Nt Ich Ing Da IR Fa Elb Kdj Th Diz Ab Oru IQ Cc AZ AM 01 04 05 06 08 18 24 25 28 30 36 38 42 46 50 51 58 60 65 69 75 05A 06R 06Re 08H 25A 25C 25Ca 25R 25T 30B 30Bg 30Bz 30D 30Da 36D 58G 58Gi 58N 58R 60C 65Bx 65F 65Fa 65Fp 65Fz 65G 65Ge 75E

169. *Hadena (s.str.) pseudodealbata* Hacker, 1988

Synonym(s): pseudodealbata Hacker, 1988

Range (in code): TR Cc AM AZ GG RU Da Ing UA 04 08 25 28 36 61 69 75 04D 25C 25Ca 25R 25Rb 36D 36F 69A 75D 75E 75F 75Ff

170. *Hadena (s.str.) tristis* (Draudt, 1934)

Synonym(s): tristis Draudt, 1934

Range (in code): Cc AZ Kir TR IQ IR Kh Elb Th 04 12 25 28 30 36 38 46 50 51 53 58 60 65 75 12A 25A 25C 30D 36D 36De 36F 38Ga 51D 51Da 53M 53N 58G 65Bx 65F 65Fa 65G 65Ge 75D 75E

171. *Hadena (s.str.) virescens* Hacker, 1996

Synonym(s): virescens Hacker, 1996

Range (in code): TR Cc 04 06 24 25 30 33 36 50 58 60 65 04D 04Da 04Db 06R 24B 25C 25Ca 30B 30Bl 36D 36Da 36De 50G 50Gd 58I 58R 65F 65Fa

172. *Hadena (s.str.) vulcanica* (Turati,1907)

Synonym(s): vulcanica Turati,1907

Range (in code): ES Si MK AL BG GR TR Cc UA RU Ich Ing Da IR Ha Elb Th Diz Dam 01 03 04 06 14 18 24 25 29 30 31 36 42 46 50 51 58 60 65 69 70 73 04D 04Da 06R 06Rb 25B 25C 25Ca 25T 36D 58G 58Gi 58N 58R 60C 65Bx 65G 65Ge 70A 70Ab 73C 73Cd**173. *Hadula (Calocestra) mendica* (Staudinger,[1895])**

Synonym(s): mendica Staudinger,[1895]

Range (in code): TR LB Cc AZ Nv Ord Kir IR Elb Kdj Ab Oru Mak 01 02 07 13 21 23 24 30 32 33 36 42 44 46 47 49 51 56 58 60 63 65 70 73 01K 02F 02Fd 02Fz 13F 13F38 21L 21Lc 30B 30Be 30Bh 30Bz 36D 36Dd 44E 44Ei 47D 47Db 56F 56Fs 65A 65Am 65Am4 65D 65F 65Fr 65G 65Gf 65Gy 65K 65Kl1 65Z 70C 70Ce 73C 73Cd 73Cd**174. *Hadula (Calocestra) stigmosa* (Christoph,1887)**

Synonym(s): stigmosa Christoph,1887.

Range (in code): FR Co Sa IT? RO AL BG GR TR Cc IR Elb Mz GlS IL Pa RU Ro Ich Kyi Da Sr MD UA TM Kp K-A MN KG Tk Dj Aa UZ KK CN Ui AF KP KR JP 06 33 35 36 38 50 58 66 76 76A 76Ac**175. *Hecatera rhodocharis* (Brandt,1938)**

Synonym(s): rhodocharis Brandt,1938

Range (in code): IR Ha By Yas Fa Com Lo IQ Kd Snj Bne Sqq Mrv Kz Hjo TR Cc TJ Pm Chr 12 13 20 24 25 30 31 32 33 36 38 42 44 46 49 50 58 65 13B 13G 13Gü 13Gw 25T 30B 30Be 30Bj 30Bz 30D 30Da 30Dt 36D 36F 58G 65Bx 65F 65Fa 65G 65Ge 65K 65Kl 65Z**176. *Helicoverpa armigera* (Hübner,[1808])**

Synonym(s): obsoleta auct. nec Fabr.,1775; barbara Fabricius,1794 [rejected]; armigera Hübner,[1808]; pulverosa Walker,[1857]; uniformis Wallengren,1860; commoni Hardwick,1965; rama Bhattacherjee & Gupta,1972.

Range (in code): Md Cn DZ MA TN PT ES Mu FR Co Sa Si IT MT IE GB BE NL DE CH AT PL CZ SK HU RO YU AL BG GR TR DK NO SE FI EE LV LT RU MD UA BY IR Fa Lo By Yas Ke Ui Ku PK Bl Qu AF Ca Gbh Hr Srb Kab Arh Dwe ZA Gau Pre Jh Tva Lpo Spb Mdk CA MX GT CR PA JM IQ JO IL Pa Rd US Tx Cf VE CV BR PE CL ZR SD KE Nta Kzu Dbn Mv Cto Ec Grh Wca Kny Cto YE Ad SY LB Bei JP Ch IN Hp Sml Gs Drm Cp Nl Ddu Up SI NP SG LK ID Ja NAu QAU Bri NSw Syd TS NZ Hw WS PC FJ TO EL NH SB PG AU MY Prk OW NC CY Agh Hf TH CMa CDo Cuo Cuo7 KK Osh Elb Lvv Th Dam Kd Snj Mz GlS Kh Gh Mia Kz Ss Chh Kda Cai Bli Sbw Sba Kai GG AZ AM Cc Ro Kr St Kb Kc Nt Ich Ing Da Kyi ET ET24 CV Az Md Kndy Pdy Dck Smt Bjo Lag Kir Bku Der Abe Clo Lbs PH Mno Crg 01 04 05 06 08 13 14 16 20 25 26 28 30 31 33 36 37 44 46 47 49 50 51 53 56 57 58 61 63 65 71 75 05A 06R 06Rd 13B 16A 30B 30Bç1 30Bz 30D 30Df 31K 33A 33Ak 33Aj 36D 36Db 36F 36Fb 44I 44Ic 44L 44Lc 49F 49Fb 51B 51Ba 56F 56Fa 56Fb 56Fv 56Fç 58F 58G 63D 65A 65Ai 65Bx 65D 65Dh 65Dj 65G 65Ge 65K 65Kl6 65Z 65Kp 75F 75Fb**177. *Heliothis virescens* (Hufnagel,1766)**

Synonym(s): virescens Hufnagel,1766; dipsacea Linnaeus,1767; spargulariae Lederer,1857; #dispaceus Alpheraky,1882; salamantina Fernald,1928.

Range (in code): Cn PT ES Mu FR Co Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR GG AZ AM Cc CY LB Bsa DK NO SE FI EE LV LT RU Ro Kr St Nt Ich Da Kyi Am MD UA BY IR Fa Es Lo Ke Zj Elb Th Dam Ab Oru Kz Yas Km Kd Snj IQ Dia Hjo Bag Ui Ku Yk MM Ch PK Hu IL Pa Lvv Tek Kty IN Dra JP JO Smt Bjo Lag Nv Ord Der Mrv Bne Sfr Btma Khh Lbs MA 01 03 04 05 06 10 16 17 18 19 21 25 30 31 32 33 36 42 45 46 47 50 51 55 56 58 60 62 63 65 76 05A 06D 06Db 16A 21N 21Nb 21Nh 30D 30Dp 31K 31Ka 36D 36Db 47C 55F 56F 56Fa 56Fg 58N 63D 65F 65Fa 65M 65Mc 65Md 76B 76Bf 76Bh**178. *Heterophysa dumetorum* (Geyer,1834)**

Synonym(s): dumetorum Geyer,1834; rhadama Milliére,1883; mutica Christoph,1885; griseoviridis Schwingenschuss,1937

Range (in code): ES FR YU GR TR Cc AZ Nv Ord IR Mz Elb Dam Th 01 04 06 08 13 24 25 30 36 42 46 49 51 53 56 58 60 62 65 66 69 01K 04D 06R 06Re 06Rk 08H 13B 13G 13Gü 13Gw 25F 30B 30Bd 30Bz 30Bh 30Bf 30D 30Da 30Dt 36D 36F 36Fa 36Fb 49F 53N 56F 56F1 56Fs 58G 58Gi 62G 65A 65Am 65Am1 65F 65Fa 65Fr 65Fp 65Fz 69B**179. *Hoplodrina superstes* (Ochsenheimer,1816)**

Synonym(s): superstes Ochsenheimer,1816

Range (in code): PT ES FR Si IT GB BE LU DE CH AT PL CZ SK HU RO YU AL BG GR TR GG Smt Bjo Lag AZ Kir Nv Ord AM Cc RU Da Der Ro Kr St Nt Ich Ing MD UA BY 01 04 05 06 08 12 14 25 30 33 36 37 49 50 53 56 65 66 71 75 04C 05A 06R 06Re 08H 14B 14Bc 25R 25T 25F 30B 30Bf 30Bz 30D 30Dt 33G 36D 36F 36Fa 37P 49E 49Ea 53N 56F 56Fq 65F 65F1 65Fz 71D 75F 75Ff**180. *Lacanobia (Diataraxia) oleracea* (Linnaeus,1758)**

Synonym(s): oleracea Linnaeus,1758; spinaciae Borkhausen,1792; variegata Austaut,1885; essoni Hampson,1909; albolineata Matsumura,1926; #pallida Bytinski-Salz & Brandt,1937

Range (in code): MA DZ TN PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR IL Hf Pa JO LB IQ Shq Bgd IR Elb Th Kdj Kh Gh DK NO SE FI EE LV LT RU Ro Kr St Kb Kc Nt Ich Ing Da AM AZ

Kir GG Tbl Bjo Cc At CN Ui Ku KK Ik Na KG Tar Tk MD UA BY Lvv JP Nv Ord Lag Hrh Agi Sét DhM Abe Ahr Clo 05 06 07 08 13 14 16 18 25 28 36 37 38 39 43 44 50 56 57 58 61 65 75 76 05A 08H 08Hc 13B 16A 36D 36Db 56F 65F 65Fp 65Fz 65Fr 65Fg 65K 65Kp 75F 75Ff 76D 76Da

181. *Lacanobia (Diataraxia) praedita* (Hübner, [1813])

Synonym(s): praedita Hübner, [1813]

Range (in code): RO BG RU Ao Ro Kc Ich MD UA Cm BY TR AM GG Smt Akh Cc AZ Kir IQ AF Pli IR Mz GlS Elb TM Ch KG Tk TJ Pm Ui Ga Yk PK KK Ik Ax Skm UZ Fe 08 36 50 70 76 36D 36Db 70C 70Ce 76B 76Bb

182. *Lacanobia (s.str.) w-latinum* (Hufnagel, 1766)

Synonym(s): w-latinum Hufnagel, 1766; genistae Borkhausen, 1792; dives Donovan, 1801; umbrosa Bytinski-Salz & Brandt, 1937; diniensis Heinrich, 1938; caerulescens Schwingenschuss, 1962.

Range (in code): PT ES FR Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR DK SE FI EE LV LT RU Ro Kr St Ing Nt Kyi Da At Sb MD UA Lvv BY IR Mz GlS Ha Elb Th Kdj Dam Cc AM GG Smt Bjo Lag AZ Kir Nv Ord KG Tar CN Ui Ii KK Ik Na 04 05 06 11 13 18 21 24 25 28 30 33 34 36 37 39 42 49 50 58 60 61 65 06R 06Rb 06Rh 13G 13Gg 13Gs 13Gw 21N 21Nb 30B 30Bc 30Bt1 30Bz 36D 36Db 49F 49Fb 61K 61Ka 65A 65An 65D 65F 65Fa 65Fm 65Fp 65Fz 65L 65Lb 65Le

183. *Meganephria bimaculosa* (Linnaeus, 1767)

Synonym(s): bimaculosa Linnaeus, 1767; italica Esper, [1791]; binubeculosa Esper, [1804].

Range (in code): ES FR IT GB DE CH AT PL CZ SK HU YU BG GR TR Cc RU Ro Kr IR Ab Oru 05 06 36 42 46 56 06K 06Kc 36D 36Db 42B 42Bb 56E 56Eh 56F 56Fb

184. *Mesogona acetosellae* (Goeze, 1781)

Synonym(s): #acetosellae [Denis & Schiffermüller], 1775; acetosellae Goeze, 1781; vorbrodti Wehrli, 1917; grisea Dannehl, 1929; pallida Dannehl, 1929; segoviensis Calle, 1982; #clarescens Calle, 1982

Range (in code): PT ES FR Si IT BE DE CH AT PL CZ SK HU RO YU BG GR TR RU Ro Kr St Da Sb At Cc GG Smt Bjo AM MD UA BY KG 05 06 13 14 18 24 25 30 36 38 56 58 65 05A 06E 06Ea 06R 06Rq 13F 13F21 13F25 30D 30Df 36D 38H 38Hc 56F 56Fs 62G 62Gb 65A 65Ai 65F 65Fa

185. *Metalopha (Antholopha) gloriosa* (Staudinger, 1892)

Synonym(s): gloriosa Staudinger, 1892; #intradeleta Osthelder, 1933; #extradeleta Osthelder, 1933; #grisea Osthelder, 1933.

Range (in code): TR Cc IL Hf Js Pa LB IQ 01 06 13 21 23 25 27 31 33 36 42 44 46 47 56 58 60 62 63 64 65 70 01K 06C 06Cb 06Y 13F 13F21 21K 21N 21Nh 23I 25K 33G 36D 42B 42X 42Xa 44E 44Ei 44L 44Lc 47D 56F 56F1 56Fv 56Fç 56Fb 56Fg 60C 63E 65F 65Fr 65D 65Dh 70C 70Cf

186. *Metalopha (Antholopha) ionodoxa* Ronkay, 1990

Synonym(s): ionodoxa Ronkay, 1990

Range (in code): TR Arr IR Ak Tbz Cc AM Eri 04 36 36D 36Db 36De

187. *Mythimna (Aletia) l-album* (Linnaeus, 1767)

Synonym(s): l-album Linnaeus, 1767; penicillata Moore, 1881

Range (in code): MA DZ TN PT ES FR Co Sa Si IT MT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR GG AZ AM Cc DK NO SE LV RU Ur MD UA BY IR Fa Ke Lo Es Ha Ss Gh Elb Th Dam Kdj Ab Kz Yas AF Gbh PK IN Pj Sml Dlh Hp Kul Up Bhi SI NP CY IQ LB Bei Bsa IL Pa KK KG CN UZ Lvv Tk Dj Ax N-A Ro St Kr Kb Nt Ich Da Thu Smt Bjo Lag Kir Nv Ord Oru Sdt Kd Bne GlS Kh Agi Anna Ges Lgt Blid Bsk BtNa Lbs KhH DhM Prr Abe Sbd Afl BSa Hrh Psu Gg Txl Abb Nar Sai 05 06 07 08 10 12 13 16 17 18 21 25 30 31 32 33 34 36 38 39 42 44 45 46 49 50 51 56 58 61 62 63 65 69 80 05A 06R 06Rq 06Y 06Yb 08H 08Ha 13A 13Ab 13Ax 13B 13C 13Cd 13F 13F21 13F25 13F41 13G 13Gg 13Gü 13Gs 13Gw 16A 21N 21Nb 30B 30Bc 30Bt1 30Bz 30D 30Df 30Dt 30Dx 31K 31Ka 31Ka3 33G 36D 36Db 36F 36Fb 38H 38Hc 44E 44Eh 44L 44Lc 49E 49Ea 56F 56Fo 56Fb 56Fç 56Fv 56Fa 56Fm 56Fq 56F1 58G 61K 61Ka 62G 62Gb 65A 65Ai 65B 65Bo 65Bx 65D 65Df 65Ds 65Dv 65F 65Fg 65Kr 65Fm 65Fp 65Fz 65G 65Ge 65K 65Kl 65Kl1 65Kl6 65Z 65L 65Le 65N 65Nc 65Nc4 65Np7 65Nm

188. *Mythimna (Aletia) vitellina* (Hübner, [1808])

Synonym(s): vitellina Hübner, [1808]; #vitellina Lederer, 1870; decolorata Dannehl, 1929; saturator Dannehl, 1929; grisescens Dannehl, 1929.

Range (in code): Cn MA MR DZ TN PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR IQ Brs Ry Rwx Dia Agh DK RU At MD UA BY PK Ch NP IN Pj Kul CN IR Lo Es Ha Kh Fa Mz Elb Th Kdj AF Hr UZ Fe KK Ik TM KG TJ CY AZ Bak GG Cc LB Bsa SY JO IL Pa T-A Kp N-A Br Ro Kr St Kc Kb Nt Ing Ich Da Tbl Smt Bjo Bku Kir GlS Agi Blid KhH Gue Ges BtNa BSa Anna Orn Abe Sfr Sbd DhM Sét Hrh Hmk Lvv 01 02 03 05 06 07 08 09 13 16 17 18 21 22 23 24 25 27 28 29 30 31 33 34 35 36 37 39 42 44 45 46 48 49 50 51 52 56 58 62 63 65 73 75 76 80 02F 02Fd 02Fz 05A 06E 06Ea 06R 06Rb 06Rq 06Y 06Yb 07B 07Bb 13A 13Ab 13Ax 13F 13F21 13F25 13F41 13G 13Gü 13Gw 16A 21L 21Lc 21N 21Nb 21Nh 25C 25Ca 30B 30Bt1 30Br 30Bz 30D 30Df 30Dx 33A 33Ae 33G 36D 36Db 36F 36Fb 44E 44Eh 44Ei 44L 44Lc 46G 46Gf 48L 49F 49Fb 56E 56Eh 56F 56Fa 56Fb 56Fh 56Fo 56Fv 56F3 56F1 56Fs 56Fç 56Fy 56Fc 58G 58Gi 58R 62G 62Gb 63D 63E 65A 65Ai 65An 65Am 65Am2 65D 65Df 65Dl 65Dlc 65Ds 65Du 65Dv 65F 65Fa 65Fb 65Fç 65Fd 65Fg 65F1 65Fj 65Fm 65Fr 65Fp 65Fu 65Fz 65G 65Gb 65Ge 65K 65N 65Nc 65Nc4 65Kd 65Kg 65Kl 65Kl6 65Z 65Kp 65Ku 65L 65Lb 65Le 65N 65Nm 65Np 65Np1 65Np8 73D 73Db 75F 75Fe 76A 76Ac 76B 76Bb 76D 76Da

189. *Mythimna (Hyphilara) albipuncta* (Fabricius, 1787)

Synonym(s): #albipuncta [Denis & Schiffermüller], 1775; albipuncta (Fabricius, 1787; rufotincta Wagner, 1921.

Range (in code): Hrh Dzc Abe Sbd Sét Khh Blid DZ PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR GG Smt Bku Lag AZ Kir Nv Ord AM Cc DK SE FI LV RU Ro Kr St Kc Kb Nt Ich Ing Kyi Da MD UA Lvv BY IR Mz Elb Th Gh GlS Kdj Dam TM Kp 05 14 16 17 24 33 34 36 42 50 65 66 75 76 05A 16A 36D 36Db 36F 36Fb 42X 42Xa 65Bx 65D 65Df 65F 65Fp 65Fz 65G 65Ge 65K 65Kp 65L 65Lb 65Le 75F 75Fb 76A 76Ac

190. *Noctua (Latanoctua) orbona* (Hufnagel, 1766)

Synonym(s): orbona Hufnagel, 1766; subsequa [Denis & Schiffermüller], 1775; caroni Lempke, 1964.

Range (in code): MA DZ TN LY PT ES FR Co Sa Si IT GB BE NL DE CH AT PL CZ SK HU RO YU AL BG GR CY TR DK NO SE FI EE LV LT RU Ro Kr St Kb Nt Ich Ing Kyi Da MD UA Cm BY IR Lo By Yas Zj Elb Th Kdj Kd LB Bsa SY IQ DG Smt Akh Bjo Tbl AZ Hkd Kir Nv Ord AM Cc TM UZ N-A AF Kh LU KG Uk KK Osh TJ Pm Chr Tbl Smt Bjo Lag Kir Nv Ord Bne Ges Clo PK Abb 01 03 04 05 06 07 08 13 14 16 17 18 21 23 25 27 28 30 31 36 38 39 42 43 46 47 50 51 56 58 59 60 62 63 65 66 70 01L 01La 05A 06E 06Ea 06R 06Ra 06Rb 06Rd 06Rq 06Y 06Yb 13A 13Ab 13Ax 13F 13F25 13F35 13F38 13G 13Gg 13Gf 13Gü 13Gw 14I 16A 21L 30B 30Bt1 30Bz 30D 30Dt 33A 33Ac 36D 36Db 42B 42D 47D 50G 50Ga 50Gd 56F 56Fb 56Fq 56F3 56Fv 56Fa 56Fç 56Fj 58G 59D 63D 65A 65Ac 65Ac3 65An 65At 65At5 65Ab 65Aba 65Bx 65D 65Df 65Du 65Di 65F 65Fa 65Fb 65Fg 65Fr 65Fp 65Fz 65G 65Ge 65K 65Kl1 65Kl6 65Z 65L 65Le 65N 65Np7 65Nm 70C 70Cb

191. *Noctua (s.str.) pronuba* (Linnaeus, 1758)

Synonym(s): pronuba Linnaeus, 1758; connuba Hübner, [1822]; innuba Treitschke, 1825; hoegei Herrich-Schäffer, 1861; nigra Krausse, 1912 nec Piesz., 1908; decolorata Turati, 1923.

Range (in code): MA DZ TN LY EG PT ES FR Co Sa Si IT MT IS IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd CY TR DK NO SE FI EE LV LT RU Nov Sr MD UA Cm BY IR Fa Mz Gh Elb Th Kd Bu Dlk IQ Agh Dy Kbl Kro AF PK IN GG Tbl Bjo AZ Kir AM Cc Sb Ur LB Bsa IL Hf Pa JO Lvv Sn Az Cn UZ Br Ro Kr St Kc Kb Nt Ing Kyi Da Tbl Smt Bjo Lag Kir Bne GlS BtNa Agi DhM Bdj BSA Khh Orn Anna Abe Sbd Afl Knt Hrh Mzg 01 04 05 06 07 08 13 14 16 17 18 21 24 27 28 30 31 33 34 35 36 39 42 43 44 45 46 50 51 56 58 59 60 61 62 63 65 71 73 01A 01N 01L 01La 05A 06D 06Da 06R 06Ra 06Rb 13G 13Gg 16A 21N 21Nb 30B 30Br 30Bz 31K 31Ka 31Ka5 33A 33Am 36D 36Db 42B 42D 44E 44Eh 44I 44Ic 44L 44Le 56F 56Fa 56Fh 56F6 56Fv 56Fm 56Fi 56Fc 58G 59D 63D 65A 65Am 65Am4 65Ab 65Aba 65D 65Di 65Dlc 65F 65Fa 65Fb 65Fp 65Fz 65Fu 65Fm 65Fr 65K 65Kd 65Kp 65N 65Np 65Np1 65Np8 65Nm 73D 73Db

192. *Ochropleura plecta* (Linnaeus, 1761)

Synonym(s): plecta Linnaeus, 1761; unimacula Staudinger, 1859; anderssoni Lampa, 1885; glaucimacula Graeser, [1889]; unupplecta Bryk, 1942.

Range (in code): MA DZ TN LY EG PT ES Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR GG Akh Smt Bjo Mng Tbl Lag Cc AZ Kir Hkd DK NO SE FI EE LV LT RU Ro Kr St Kc Kb Nt Ich Ing Da MD UA Lvv BY LB SY IQ IR Gh Elb Mz AF TM KK KG 01 06 08 09 11 25 28 30 33 36 42 55 58 61 65 01A 06D 06Da 08H 11E 30B 30Bf 30Bz 36D 42B 42D 58G 58Gi 61K 61Kb 65F 65Fp 65Fz 65K 65Kp 65L 65Lb 65Le

193. *Parexarnis taurica* (Staudinger, 1879)

Synonym(s): taurica Staudinger, 1879; pseudosollers Boursin, 1940.

Range (in code): TR Cc RU Nt Ich Ing Da IR Mz Elb Kdj Fa IQ Mos 06 23 24 25 33 36 38 42 44 50 51 65 66 06D 06Da 23I 36D 42B 50G 50Ga 51B 51Ba 65F 65Fa

194. *Pericyma albidentaria* (Freyer, [1841])

Synonym(s): albidentaria Freyer, [1841]

Range (in code): GR TM Kp Fe UZ AF Hr Pli Srb Gbh Bd IQ Bgd Amr Bsr kut SY Pa IL Pa Hf LB CY TR Ui Ku Ga KG Tk sKG Tks Dj Aa RU Cc AM GG Tbl Ro St Ich Da Der Sr AZ Nv Ord IR Mz GlS LY 06 09 19 23 33 35 36 42 44 46 47 50 51 56 58 66 70 76 06C 06Cb 06Y 06Yb 19P 33P 44I 46G 46Gf 47D 50G 50Gd 51D 56F 56Fa 56Fv 56Fö 58N 70C 70Ce 76B 76Bb 76D 76Da

195. *Pericyma squalens* Lederer, 1855

Synonym(s): squalens Lederer, 1855

Range (in code): CY TR IQ kut Agh Tkr Amr IR Th Elb Ahz Kh Fa Ab Mak Ke Mia Kaz Kd Lo Km Snj Bjr Chh Hz B-A Bu Dlk AF Pli TM KW SA EG EG11 EG61 LB Bei IL Pa JO 01 06 21 23 33 36 47 56 63 06Y 06Yb 21N 21Nb 33O 36D 36Db 47D 56F 56Fa 56Fö 56Fv 63D

196. *Periphanes (s.str.) delphinii* (Linnaeus, 1758)

Synonym(s): delphinii Linnaeus, 1758; darollesi Oberthür, 1876; delphini Hampson, 1903.

Range (in code): MA TN DZ BSA Sbd ES FR IT GB NL DE CH AT PL CZ SK HU RO YU BG GR TR GG Smt Akh Cc AM LV LT RU Ro St Ich Kyi Da Ur MD UA BY IR Fa Ss Elb Th Dam Ab Mak IQ TIH AF Hr UZ Fe KK KG TJ UZ N-A SY IL Pa 01 04 05 06 07 18 22 23 24 25 32 36 42 44 46 50 51 58 60 65 66 76 04H 04Ha 05A 36D 36Db 58N 65D 65Df 65Fz 65H 65N 65Ne 65Np6 65Nş 65Nm 76B 76Bb

197. *Phlogophora meticulosa* (Linnaeus, 1758)

Synonym(s): meticulosa Linnaeus, 1758; lamii Schädewald, 1993

Range (in code): MA DZ Abe Ges Btma DhM Hrh TN PT ES Mu FR Co Sa Si IT MT IS IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR Cc GG Tbl Bjo Smt Lag AZ Kir IQ Agh CY LB IL Hf Pa IR Gh Elb Clu Mz DK NO SE FI EE LV LT RU Ro St Kr Kc Kb Nt Ich Da MD UA Lvv BY 05 06 07 13 14 16 18 21 24 25 33 34 36 38 44 46 50 51 56 58 62 65 05A 06R 06Rb 06Y 06Yb 13G 13Gs 13Gw 16A 21L 21Lc 21N 21Nb 21Nh 25D 33E 33P 34T 36D 36Db 38H 38Hc 44E 44Ei 56E 56Eh 56F 56Fa 56Fv 58G 62G 62Gb 65A 65Am 65Am4 65D 65Df 65Dv 65F 65Fa 65Fp 65Fz 65N 65Nc 65L 65Lb

198. *Polymixis (s.str.) perchrysa* Hacker & Ronkay, 1992

Synonym(s): perchrysa Hacker & Ronkay, 1992

Range (in code): SY Bld Cc AM TR 04 25 36 65 04I 04Ib 25F 36D 65D 65Df

199. *Polymixis (s.str.) rosinae* (Bohatsch, 1910)

Synonym(s): rosinae Bohatsch, 1910; paradisiaca Boursin, 1944; gilva Sukhareva, 1976; paravarga L. Ronkay, 1990; himalaya Hacker & Weigert, 1990

Range (in code): TR Cc AZ Nv Dz Ngm IR Elb Th Kdv Kdj TM PK Bt Bbu 02 06 25 65 76 02F 02Fz 06Y 06Yb 25D 65K 65Kl 65Kl3 65Z 76D 76Da

200. *Protexarnis confinis* (Staudinger, 1881)

Synonym(s): confinis Staudinger, 1881; aucta Alpheraky, 1892; barbara Corti & Draudt, 1933; suspicax Corti & Draudt, 1933; velifera Corti & Draudt, 1933; anthracina Boursin, 1964.

Range (in code): KG DsA TR Cc CN Ts Kno Ui Kml 04 36 46 65 76? 04D 04Da 65G 65Gj 76B? 76Bb?

201. *Pyrrhia umbra* (Hufnagel, 1766)

Synonym(s): umbra Hufnagel, 1766; marginata Fabricius, 1775; rutilago [Denis & Schiffermüller], 1775; conspicua Borkhausen, 1792; umbrago Esper, [1796]; marginago Haworth, 1809; aconiti Hölzermann, 1902.

Range (in code): ES Mu FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc IR Elb Th DK NO SE FI EE LV LT RU Ro Kr St Kb Ich Ing Da MD UA Lvv BY KG Tk Dj KK TeA Ik 05 06 13 14 24 25 30 33 36 52 61 69 75 76 13B 14B 14Bb 30D 30Da 36D 36Db 75F 75Fb 76A 76Ac

202. *Rhiza (Graphantha) laciniosa* (Christoph, 1887)

Synonym(s): laciniosa Christoph, 1887

Range (in code): TM Kp Ger IR Ke Kh AF KK Ik TeA TR Cc KG Tk Dj 07 23 25 30 36 38 42 44 56 25C 30B 30Bt1 30Bz 30D 30Da 36D 36F 36Fb 42B 56F 56Fm

203. *Rhyacia (s.str.) arenacea* (Hampson, 1907)

Synonym(s): arenacea Hampson, 1907; pseudosimulans Kozhantschikov, 1929.

Range (in code): BG RU Ing Kyi Sb UA Cm AM GG Tbl UZ TM Kp CY TR PK Qu Bl IR Mz Fa Shr Ke Ss Elb Th Kdj Kh AF Hr Gbh Pag Bm Cc AZ Kir Kp TM UZ N-A KK TrA Ik Fe CN Ui Ii Ch LB Bsa IL Pa Hf JO 06 18 25 32 33 36 38 50 51 58 66 68 06R 06Y 18F 25C 25F 32F 36D 36Db 38Ca 58G 68H

204. *Sideridis (s.str.) turbida* (Esper, [1790])

Synonym(s): turbida Esper, [1790]; albicolon Hübner, [1813]

Range (in code): PT ES FR Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU BG TR Cc Arr GG Tbl DK NO SE FI LV LT RU Ro St Nt Ich Ing Kyi Da MD UA BY IR Elb Gh KG Tk Dj KK Na TrA 04 18 24 25 36 42 50 58 60 65 75 04I 04E 25T 36D 36F 65Bx 65G 65Ge

205. *Simyra dentinosa* Freyer, 1839

(Fig. 13)

Synonym(s): dentinosa Freyer, 1839; leucaspis Fischer v. Waldheim, 1840; zeliha Kornoşor & Lödl, 1990

Range (in code): RO MK AL BG GR RU Ro Kr St Nt Da MD UA TR Cc GG IL Pa LB SY Dms Hal JO IQ IR Ss AF Hr TM 05 06 13 20 21 25 26 30 33 34 38 42 44 46 50 56 58 60 62 63 65 76 05A 13F 13F21 21N 21Nh 30B 30Bd 30Bz 38H 44L 44Lc 56A 56Ac 56F 56Fv 63B 63Ba 65D 65Df 65Dlc 65Ds 65Dt 65Dy 65F 65Fb 65Fd 65F1 65Fm 65Fp 65Fr 65Fu 65Fz 65K 65Kl 65Kl3 65Z 65Kz 65Kg 65L 65Le 65N 65Nc 65Nm 65Np 76B 76Bb

One of the common species in the steppe. Adults nocturnal and vernal. Its caterpillar common, gregarious on *Euphorbia* species (Fig. 14) in early summer. Univoltine.



Figs. 13, 14 – *Simyra dentinosa*. Caterpillar with its food-plant, *Euphorbia* sp. NE Turkey, Iğdır Pr., Kentormanı 960m (76Bb), 9.v.2012, M. Kemal (Cesa)

206. *Spaelotis ravida* ([Denis & Schiffermüller], 1775)

(Map 17)

Synonym(s): *ravida* [Denis & Schiffermüller], 1775; *austera* Esper, [1789]; *obducta* Esper, [1789]; *bigramma* Esper, [1790]; *obscura* Brahm, 1791 nec Cramer, 1780; *salva* Corti & Draudt, 1933.

Range (in code): PT ES FR Co IT GB BE NL DE CH AT PL CZ SK HU RO YU AL BG GR TR Arr AM AZ Kir Lag GG Tbl Smt Bjo Mng Cc IR Lo Es Th Elb Dam Kh DK NO SE FI EE LV LT RU Ro St Nt Ich Ing Kyi Da MD UA BY Ui Chk Tek Ju AF Bark KG Tk Dj KK Ax UZ N-A 04 05 06 14 18 25 36 42 50 58 62 65 66 73 76 04D 04Da 05A 36D 58N 65Bx 65G 65Ge 73A 76C

207. *Sympistis confusa* (Freyer, [1839])

(Map 18)

Synonym(s): *confusa* Freyer, [1839].

Range (in code): IR Ha Zj Th Elb Kd Snj Lo TR Cc AM IQ Shq RU IL He Pa UA 04 13 25 30 36 46 50 58 62 65 76 04I 13G 13Gü 13Gw 25T 30D 30Da 36D 36F 36G 62G 65Bx 65G 65Ge 76C

208. *Sympistis strioligera* (Lederer, 1853)

(Map 19)

Synonym(s): *strioligera* Lederer, 1853

Range (in code): RU KG At KK TrA Ax TJ Pm Chr Ui IR Kh Lo TR Cc IL Pa He 01 13 30 36 42 65 70 01L 01La 30B 30Bg 30Bz 36D 42D 65D 65Dn 70C 70Cb

209. *Trichoplusia ni* (Hübner, [1803])

Synonym(s): *ni* Hübner, [1803]; *humilis* Walker, 1858; *extrahens* Walker, 1858; *brassicae* Riley, 1870; *echinocystidis* Strecker, 1874; *deserticola* Rothschild, 1913

Range (in code): MA DZ TN LY PT ES Mu FR Co Sa Si IT MT IE GB BE NL DE CH AT PL CZ SK HU RO YU AL BG GR Cr CY TR DK SE FI EE RU EG IL Hf Pa LB Bsa JO SY SA IQ Kq Agh Amr IR Fa By Yas Lo Kh Elb GG AM AZ Cc AF Bsg Nu Kab Hr Pli Srb Gbh Ca Arh Dwe PK IN KP KR CN US CA CU ZA MX Cn MD UA BY CV Wca Cto JP MG NZ Hw TH VN NP Elb Mz Th Kz Clu Dam Plr Kdj Ab Sdt Skh Kd Bne Snj B-A Hz Kaz Mia Ss Chh Ke UZ Br Ro Kr St Kb Nt Ich Ing Da DJ DJ44 Cp Tbl Smt Bjo Kir Der Hal Sbd Blid Afl Bsk Agi Hrh Sfr Perr BSA Ktr Dzc Abe Orn Gle Btina Gg Cls Hmk DhM Tun Mzg Onç Ah Ath 01 05 06 07 08 11 12 13 16 17 18 21 30 31 33 36 44 46 48 50 51 56 58 65 05A 06R 12E 12Ec 13F 13F38 16A 21N 21Nh 30D 30Df 31K 31Ka 31Ka3 33E 33G 36D 36Db 44L 44Lc 46G 46Gf 48L 56F 56Fv 56Fa 56Fb 56Fm 56Fç 65A 65Ai 65Am 65Am1 65At 65At5 65D 65Dd 65Dda 65Dl 65Dlc 65Dv 65F 65Fa 65Fb 65Fp 65Fr 65K 65Kp 65N 65Nc

210. *Tyta luctuosa* ([Denis & Schiffermüller], 1775)

Synonym(s): *luctuosa* [Denis & Schiffermüller], 1775; *italica* Fabricius, 1781; *atra* Goeze, 1781 nec Linn., 1767; *astroites* Fourcroy, 1785; *maculosa* De Villiers, 1789

Range (in code): MA DZ PT ES Mu FR Co Sa Si IT MT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd TR GG AZ Len AM Cc CY IL Pa Hf LB SY JO IR Ab Oru Jal Fa Es Ha Kh Elb Mz Dam Th Ab Km Kd DK SE FI EE LV LT RU MD UA BY At KG Tks Tk Dj KK Ik TrA Osh UZ Ui Kun Ku sKG Dtk Db Kdy Skk Lvv AF IQ Agh Ro Kr St Kb Nt Ich Kyi Da Sdt Bjr Zj Agi Btina Hmk Abe Hrh Perr Sét Tiz Dzc DhM Rbt 01 02 04 05 06 07 08 11 13 14 16 17 18 22 23 25 30 31 32 33 34 35 36 38 42 44 46 50 51 56 58 60 61 62 63 65 66 67 69 70 71 75 76 02F 02Fe 02Fz 05A 06R 06Rd 13G 13Gy 16A 30D 30Df 31K 31Ka 33G 36D 36Db 44E 44Eh 46G 46Gf 56F 56Fç 56Fb 56F1 56Fy 58N 60G 63D 65A 65Aö 65Au 65An 65Am 65Am4 65D 65Dl 65Dlc 65Dt 65Du 65Dv 76D 76Da 65F 65Fç 65Fz 65K 65Kp 65L 65Le 65N 65Nc 65Np6 65Nm 65Kl 65Kl6 65Z 65M 65Mc 65Md 75F 75Fb 76A 76Ac 76B 76Bf 76Bh 76D 76Dd

211. *Ulochlaena hirta* (Hübner, [1813])

Synonym(s): *hirta* Hübner, [1813]

Range (in code): DZ Mage Btina Afl FR Si IT CH RO YU BG GR RU Ro St Da Kyi MD UA TR Cc GG Smt Bjo Tbl Da Der AZ Kir SY JO IR Ab Oru Elb Th Plr GlS TM Kp 04 05 06 07 12 13 32 30 36 38 44 46 49 56 58 62 65 70 05A 06E

06Ea 06R 06Rq 06Y 06Yb 07A 12A 12Ab 13C 13Cd 13F 13F35 13G 13G1 30D 30Dc 36D 36Db 36E 36F 36Fb 38H 38Hc 44E 44Eh 49F 56F 56Fo 56Fa 56Fb 56Fc 58G 58Gb 58Q 65A 65Am 65Am4 65Ai 65An 65Aö 65D 65Df 65K 65Kd 65Kl 65Klo 65Kl3 65Z 65L 65Le 65N 65Nc

212. *Xestia (Megasema) c-nigrum* (Linnaeus, 1758)

Synonym(s): *c-nigrum* Linnaeus, 1758; *nunatrum* Esper, [1786]; *singularis* Esper, [1786]; *degenerata* Staudinger, 1889; *depravata* A. Bang-Haas, 1912; *kurilana* Bryk, 1942; *#pallida* Lempke, 1962; *ignorata* Eitschberger, 1972.

Range (in code): PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR Cc DK NO SE FI EE LV LT RU Sb MD UA BY IR Kh Gh Elb Mz Kdj KK Ax Ik UZ N-A CN Ui Ku Kõn Ga Sz T-T IN Hp Drm Kul NI SI Up Bhi Nnt Kil PK Pj Cp KP KR JP GG AZ CA Nsc US Ny Iln MX Ro Kr St Kb Kc Nt Ich Ing Da Kyi Smt Bjo Tbl Kir Lag Swa Sgl Yek DZ Blid Agi Abe DhM Hrh Dzc TN Txl Psu Gg 05 13 28 34 33 36 50 51 56 58 60 61 65 75 05A 13F 13F38 13G 13Gü 13Gw 33E 36D 36Db 56F 56Fa 56Fb 56Fc 56Fv 56Fj 58G 61K 61Ka 65Bx 65F 65Fj 65Fr 65Fp 65Fz 65G 65Ge 65K 65Kp 65L 65Lb 65Le 65N 65Np6 65Nm 75F 75Fb

213. *Zekelita (Ravalita) ravalis* (Herrich-Schäffer, [1852])

Synonym(s): *ravalis* Herrich-Schäffer, [1852]; *revolutalis* Zeller, 1852; *eremialis* Swinhoe, 1889 *nec* Walk., 1859; *centralis* Staudinger, 1892; *syriacalis* Staudinger, 1892; *extorris* W. Warren, 1913; *#pallida* Schawerda, 1929; *#transcaspica* Brandt, 1941

Range (in code): GR RU AZ Kir Cc Ich Da Der TR CY IL Pa Js LB Bei IQ Mos Dia Ry Rwz Brs Agh Amr KG KK PK Qu Sd IN Up Alh AF Hr Blh Gbh Srb Pli Bd Fz Pag Kab EG BH JO SY IR Ak Shf Fa Ss Kh Elb Gh Mz Kd Bjr Zj Ke Hz B-A TM Kp UZ Tas Fe Smk CN Ui Ga N-A ZA 01 05 06 07 08 13 18 24 25 27 30 31 33 35 42 44 46 47 50 56 58 62 65 69 70 76 05A 06R 06Y 08H 08Ha 13A 27D 27Da 30B 30Bc1 30Bc 30Bt1 30Bz 30D 30Dx 31K 31Ka 31Ka5 44E 44Eh 44Ei 50G 50Ga 56F 56Fv 56Fc 56Fö 58G 58Gb 58N 65D 65Du 65G 65Gb 65K 65Kz 65Kg 65N 65Np5 65Nm 76C 76D 76Da

Notodontidae

214. *Cerura (s.str.) intermedia* (Teich, 1896) (Map 20)

Synonym(s): *intermedia* Teich, 1896

Range (in code): Cc TR IR Ha Es Kz Fa Kh UA RU Ao 30 65 76 30B 30Ba 30Bd 30Bh 30D 30Da 65D 65Dc 65Dj 65Fz 65N 65Np1 65Nm 76B 76Bb

Remarks: The status of Iraqi *Cerura* species was discussed by Wiltshire (1957: 54) under the title “*Cerura vinula* L. ssp (?) *intermedia* Teich” before the description of *irakana* Heydemann, Schulte & Remane, 1963 as a subspecies of *Cerura vinula* L. On the other hand, De Freina (1993: 87) identified Hakkari populations (SE Turkey) as “*Cerura vinula irakana*”. De Freina’s approach has prompted us to misjudge about the identity of *Cerura* species in SE Turkey. But, we follow here Schintlmeister’s (2008) opinion on the matter of *intermedia/irakana*.

215. *Clostera curtula* (Linnaeus, 1758)

Synonym(s): *curtula* Linnaeus, 1758; *albicaudaalba* Retzius, 1783

Range (in code): ES FR Co IT GB BE NL LU DE CH AT PL CZ SK HU RO YU BG Hsk GR TR Cc GG Smt Bjo Lag AZ Kir DK NO SE FI EE LV LT RU MD UA Lvv BY Ui Ku 06 13 16 18 26 34 36 42 43 55 60 65 71 75 06R 06Ra 06Rb 06Re 13F 13F38 13G 13Gw 13Gs 16A 18D 36D 36De 36F 36Fa 55F 60C 71C 71Cb 75F 75Fb

216. *Furcula bifida* (Brahm, 1787)

Synonym(s): *hermelina* Goeze, 1781 *nec* Gz., 1781; *bifida* Brahm, 1787; *latifascia* Curtis, 1827; *arcuata* Stephens, 1828; *mucronata* Meigen, 1830; *urocera* Boisduval, 1840; *lype* Seifers, 1933; *beida* Rungs, 1956

Range (in code): MA PT ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG Bjo Bku Smt DK NO SE FI EE LV LT RU Ur At Cc Sj MD UA Lvv BY KG MN 04 06 07 10 13 14 15 16 17 25 29 30 36 43 50 52 53 60 61 04A 06R 06Rb 06Re 07C 10P 10U 13C 13Cf 14B 15F 16A 25F 29A 29Ab 30D 30Db 36D 36De 36F 43M 50G 50Gd 52G 53B 53M 60C 61L

217. *Phalera bucephala* (Linnaeus, 1758)

Synonym(s): *bucephala* Linnaeus, 1758; *lunula* Retzius, 1783 *nec* Hufn., 1766 *non* Strm., 1768.

Range (in code): PT ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG Smt Bjo Lag DK NO SE FI EE LV LT RU MD UA Lvv BY 05 12 13 14 16 17 24 25 32 36 42 49 53 56 58 60 61 65 05A 14B 16A 17H 25A 36D 36F 49E 49Ea 53M 56F 56Fq 56Fa 58N 60C 61K 65F 65Fe

218. *Pterostoma palpinum* (Linnaeus, 1761)

Synonym(s): *#palpina* Clerck, 1759; *palpina* Linnaeus, 1761; *caudapiscina* Goeze, 1783; *salicis* Germar, 1812.

Range (in code): DZ Anna PT ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG Lag Smt Bjo AZ Kir DK NO SE FI EE LV LT RU MD UA Lvv BY 06 12 13 14 16 19 24 25 30 32 36 37 42 46 49 50 56 60 62 65 71 06R 06Ra 06Rh 12E 13C 13Cf 13F 13F38 13F7 13F71 13G 13Gw 13Gs 13Gy 16A 19P 24G 25F 30B 30Bd 30Bt1 30Bz 30C 30Cd 30D 30Da 36D 36Db 36F 37C 42D 42R 46D 49E 49Ea 50G 50Gd 56F 56F3 56F1 60C 62H 65A 65Ai 65An 65Am 65Am4 65D 65F 65Fe 65Fp 65Fr 65Fz 65Fg 65L 65Le 65N 65Np6 65Nm 71B 71Ba

Oecophoridae

219. *Agonopterix capreolella* (Zeller, 1839)

Synonym(s): capreolella Zeller, 1839; caprella Stainton, 1849

Range (in code): ES FR Sa IT IE GB BE LU DE CH AT PL CZ SK HU YU AL TR DK NO SE FI EE LV LT RU MD UA BY Cc TM 16 29 32 36 40 42 16A 29C 29Cb 32I 36D 36Da 40D 42X 42Xa

Remarks: This species was reported by Buchner (2017) from Aras Valley (Kağızman).

220. *Agonopterix curvipunctosa* (Haworth, [1811])

Synonym(s): curvipunctosa Haworth, [1811]; zephyrella Hübner, [1813]; granulosella Stainton, 1854; doubledayella Bruand, 1859; amasina Mann, 1861; turbulentella Glitz, 1863

Range (in code): ES FR Co Sa IT GB BE NL DE Bw CH AT LAT PL CZ SK HU RO YU AL TR DK NO SE RU Mo MD UA BY Cc 05 25 36 05A 25A 36D 36Df 36F 36Fb

Remarks: This species was reported by Buchner (2017) from Aras Valley (Pashlı Pass [36Df]).

221. *Agonopterix* sp. (Figs 15, 16)

Remarks: Only 3 ♀♀ reared from the caterpillars from Gaziler (GP2726 ♀). For its identity further material (especially male) and investigation are needed.



Figs. 15, 16 – *Agonopterix* sp. (det. P. Buchner). Female genitalia with basal segments of abdomen (GP2726). NE Turkey, Iğdır Pr., Gaziler (=Kulp) (76Dc).

222. *Depressaria discipunctella* Herrich-Schäffer, [1854]

Synonym(s): discipunctella Herrich-Schäffer, [1854]

Range (in code): MR MA ES An FR Si IT AT GB BE NL DE SK RO YU BG GR TR LB Bei Bsa AF Blh MN IR Th Elb Gl UA Cm Cc GG AZ KG TM UZ SA 01 06 29 31 32 36 40 46 65 01K 06R 06Rb 06Rq 29C 29Cb 32M 32I 36D 36Df 40D 46G 65K 65Kl 65Kl3 65Z

Remarks: This species was reported by Buchner (2017) from Aras Valley (Pashlı Pass [36Df]).

Psychidae

223. *Amicta quadrangularis* (Christoph, 1873)

Synonym(s): quadrangularis Christoph, 1873; quadrangularis Staudinger, 1874; nigrescens Staudinger, 1899

Range (in code): TM IR Elb Cc Se AM AZ Kir TR SY EG SA YE Sk 76 76B 76Ba

Pterophoridae

224. *Crombrugghia distans* (Zeller, 1847)

Synonym(s): *distans* Zeller, 1847; *distantidactyla* Bruand, 1858; *geodactylus* Fuchs, 1903; *lactucae* Fletcher, 1920; *clarisignis* Myerick, 1924; *buvati* Bigot & Picard, 1988; *pravieli* Bigot & Picard, 1989; *gibeauxi* Bigot et al., 1990; *supplementum* Gibeaux, 1997.

Range (in code): Cn MA Azr Ouk Ifr DZ Lbs Hsb TN PT ES Grn FR Py Co Sa Si IT MT GB BE NL DE CH AT PL CZ SK HU RO SS HV YU B-H MK AL BG GR TR DK NO SE FI RU Sb MD UA Cm GG Tbl AM Eri AZ IR Elb Kdj Th Mz Kz Gor Yas Nss BY AF Pag Kab Pli Sfk Kot Bkt Nu Hr PK Swa Mdy Ch KG UZ Smk TM Kp K-K CN Ui IN Up Hp NP SI BT Cm VI Ur At Ir Irk Bry Ik Smk Ass Khs N-A Swa Kma Snm Djl Cc KK KuA 01 05 06 07 16 22 23 30 33 34 42 44 45 46 48 50 58 61 63 65 76 01G 05A 06R 07A 07B 16A 23D 30B 30D 33O 33P 33Pa 36F 42B 46G 50G 50Gc 63B 65A 65Am 65Am4 76A 76Ac

225. *Gillmeria pallidactyla* (Haworth, [1811]) (Fig. 17)

Synonym(s): *pallidactyla* Haworth, [1811]; *marginidactylus* Fitch, 1854; *nebulaedactylus* Fitch, 1854; *bertrami* Rössler, 1864; *bischoffi* Zeller, 1867; *cervinidactylus* Packard, 1873; *adustus* Walsingham, 1880; *chapmani* Tutt, 1896; *sachalinensis* Matsumura, 1931.

Range (in code): FR IT IE GB BE NL LU DE CH AT PL CZ SK HU BG GR DK NO SE FI EE LV LT RU MD UA BY CN TR IR Ak Ma Ha US BR 65 76 65A 65Am 65Am4 76A 76Ac



Fig. 17 – *Gillmeria pallidactyla*. Male genitalia (GP2139). NE Turkey. Iğdır Pr., Aralık DÜÇ (76Ac).

226. *Procapperia maculata* (Constant, 1865)

Synonym(s): *maculata* Constant, 1865; *croatica* Adamczewski, 1951.

Range (in code): FR IT HV BG TR RU Kb Teb Kis GG Tbl UA Cm Cc AM Eri 05 06 24 33 36 42 58 65 71 05A 06R 06Rq 06Y 24H 36D 42B 58G 65F 65Fp 65Fz

Pyralidae

227. *Achyra nudalis* (Hübner, 1796)

Synonym(s): *nudalis* Hübner, 1796; *interpunctalis* Hübner, 1796; *unipunctalis* Duponchel, 1831; *bipunctalis* Duponchel, 1832; *lacunalis* Zeller, 1852; *pauciferalis* Walker, 1865; *nodalis* Gundlach, 1891; *fulvalis* W. Warren, 1892; *ochromorpha* Lower, 1901; *kronei* Schawerda, 1914; *brunnealis* Caradja, 1916; *serenalis* Schawerda, 1916; *xanthalis* Fawcett, 1916

Range (in code): MA TN DZ Clo PT ES FR Co Sa Si IT MT HU YU B-H AL BG GR Cr CY TR Cc Ce Gro RU Ao AM Eri GG Tbl Len AZ Kir Nv Ord YE IL Pa Hf LB IR Es Fa Shr Th Elb Kdj Kz Sde Ana Ke Put Mz IQ Bgd AF Hr Ca Blh Pli Arh Dwe Fz Bkt PK Sd Krc Gg Cls Ui MN LK IN ZA SA NE ZR KE 01 16 23 27 31 33 46 76 16A 31A 31H 31K 31Ka 31Ka3 31Ka7 31M 76A 76Aa 76B 76Ba 76Bb 76D 76Da

228. *Acrobasis advenella* (Zincken, 1818)

Synonym(s): advenella Zincken, 1818; rhenella Stephens, 1834; consociella Duponchel, 1836; recurvella Guenée, 1845

Range (in code): PT ES FR Sa IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL GR DK NO SE FI EE LV LT RU MD UA BY TR 05 56 65 76 56F 65L 65Le 65N 65Np 65Nm 76D 76Da

229. *Aeschremon disparalis* Herrich-Schäffer, [1855]

Synonym(s): disparalis Herrich-Schäffer, [1855]; #indistinctalis Amsel, 1961

Range (in code): DZ Cst YU GR TR SY IQ Bgd IR Elb Th Kdj Srd Kdv Gor Ss Chh Fa Shr Irs Mkr Cc GG Tbl Kir AZ Nv Ord Lag Bak AF Ca Hr Anh Arh KK Ik IN RU Ro 05 33 36 76 05A 36D 36Db 76A 76Ac

230. *Anania (Opsibotys) fuscalis* ([Denis & Schiffermüller], 1775)

Synonym(s): fuscalis [Denis & Schiffermüller], 1775; cineralis Fabricius, 1794; cineralis Hübner, 1796; julialis Schrank, 1802; fimbrialis Stephens, 1834; pulveralis Stephens, 1834; deceptalis La Harpe, 1864; sibirica Caradja, 1916; perfuscalis Munroe & Mutuura, 1969

Range (in code): PT ES FR Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG TR Cc GG DK NO SE FI EE LV LT RU Sb MD UA BY KG Tk Dj Ii JP 53 60 75 76 53B 75F 75Fa 76D 76Dd

231. *Ancylosis syrtella* (Ragonot, 1887)

Synonym(s): syrtella Ragonot, 1887; costabella Amsel, 1954

Range (in code): MA Ifr DZ Lbs Abe Bsk TN Gf Gab Sfx LY Cy IL Js Pa IR Elb Kdj Th Fa Ha Kh RU TR IQ Bsr AF Gbh CN Ui Ga KG Uk Ind 76 76A 76Aa

Remarks: The male genitalia and tympanal organ of this species (GP2467♂) was illustrated by the authors from Aralık (76Aa) (Kemal & Koçak, 2017a).

232. *Anthophilopsis baphialis* (Staudinger, 1870)

Synonym(s): baphialis Staudinger, 1870; plumbiferalis Christoph, 1877; #baphiale Caradja, 1916; #oleaginalis Amsel, 1970

Range (in code): GR TR Cc IL Pa Hf TM Kp IR Ahz Ss Chh Bu Shr Com Fa Enz GlS Irs Ana Ke Gh Tgo KW IQ Bgd Kbl Mos Ry Amr EG EG11 AF Hr In Bmu Dwe Srb Gbh Pli Ca Kab Blh Arh Cc GG Tbl AZ Kir Bak Da Der AM Eri KG sKG Otr 01 06 21 31 33 35 42 46 56 63 65 76 80 01K 06R 21L 31A 56F 56Fé 63D 63Dc 65D 65Du 76B 76Ba

233. *Anthophilopsis moeschleri* (Christoph, 1862)

Synonym(s): moeschleri Christoph, 1862

Range (in code): RU Ro TM Kp TR IR Th Kdj Fa Se Cc AM Eri AZ GG Kir Nv Ord Bak Tbl IL Pa Js CY AF Kab Arh Dwe Gbh Srb Pic Pli Pag KG Uk 13 42 76 13F 13F35 76A 76Aa 76B 76Ba 76C

234. *Aporodes floralis* (Hübner, [1809])

Synonym(s): floralis Hübner, [1809]; stygialis Treitschke, 1829; siculalis Duponchel, 1833; conversalis Duponchel, 1834; meleagrisalis Walker, 1859; transversalis Moore, 1878; grisealis Caradja, 1916; #florealis Rebel, 1939

Range (in code): TN Sfx PT ES FR Co Sa Si IT MT DE AT CZ SK HU RO YU AL BG GR Rd Cr TR Cc IR Ahz Kdj Th Elb Nss Fa Shr Com Ss Kh Chh Qz Men IQ Mos Bgd Kbl Shq Ssa Amr GG IL Pa LB YE CY LB AF Ca Hr Bmu Pli Blh Gbh Srb Anh Fz Dwe Kab Arh Sen Pnj Bark Pag Ca Asm Ui Yk PK Pj Sd Krc Cp Hf Cc GG Bjo Tbl Kir Da Der AZ IN Mh Bba Kz Sde Irs PL KG sKG Tks Mz DZ Clo Ajj MA 01 05 06 12 13 16 21 23 31 33 42 44 46 56 58 61 65 76 01K 05A 12A 12Ai 13F 16A 21N 21Nb 31A 31K 31Ka 31Ka3 31M 42B 46H 46Hc 56F 65B 65Bo 65Bx 65D 65Dv 76A 76Ac 76B 76Bb 76C 76D 76Da

235. *Catoptria incertella* (Herrich-Schäffer, [1852])

Synonym(s): incertellus Herrich-Schäffer, [1852]

Range (in code): TR Cc GG Bjo AM MK IR Elb Mz Gh GlS Kh Vdb Kld Kdj Clu 01 05 06 28 36 53 61 75 05A 36D 36Da 36Df 61K 61Ka 75F

236. *Cynaeda (s.str.) gigantea* (Staudinger, 1879)

Synonym(s): #gigantea Wocke, 1871; gigantea Staudinger, 1879

Range (in code): FR CH HU YU GR Cr TR IQ Hjo Ssa IR Fa Shr Com Sse GlS IL Pa LB Bsa AF Slg Pnj Pag Adr KG Uk 05 06 08 13 14 21 23 27 30 33 38 42 44 46 50 56 58 65 76 05A 06K 06Kb 06R 06Rk 13A 13Ab 13Ax 13F 13F25 13F6 13F7 13F71 14B 14Bb 21L 21Lc 27D 27Da 27Db 30B 30Bc 30Bz 30D 30Df 33A 33Ac 38H 38Hc 44E 44Eh 50G 56F 56F1 56Fb 58G 65A 65Ac 65Ac3 65Am 65Am1 65D 65Df 65Dt 65Du 65Fz 65G 65Gb 65Gf 65Gy 65L 65Le 65N 65Np1 65Nr4 65Nm 76C 76D 76Da

237. *Dolicharthria punctalis* ([Denis & Schiffermüller], 1775)

Synonym(s): punctalis [Denis & Schiffermüller], 1775; longipedalis Curtis, 1830

Range (in code): TN Sfx Elk PT ES FR Co Sa Si IT GB NL DE CH AT CZ SK HU RO B-H Sjn HV YU AL BG GR Cr CY TR DK SE FI EE IR Elb Mz Th Kdj Kdv Fa Sse Ss Kh Gh Tgo Pa IL AF Anh 01 05 06 14 16 31 33 36 39 42 46 56 61 65 71 05A 16A 31M 33A 33Ac 36D 36Db 56F 61K 61Ka 65D 65Df 65Fz 65L 65Le 65N 65Nc 65Nc4 65Nf

238. *Ecpyrrhorhoe diffusalis* (Guenée, 1854)

Synonym(s): carnealis Dup., 1831 nec Treit. 1829; diffusalis Guenée, 1854; affusalis Guenée, 1854; tenuialis Mann, 1862.

Range (in code): Cn MA TN ES FR IT CH HU RO YU HV AL BG GR IL Pa Hf TR IR Fa Shr Com Ss Th Kdj Ha Mz LB Bsa AF Pic Kab Srb Bsg Pag PK Cp UA Lvv Cc GG Tbl Bjo AZ Kir Nv Ord AE IN 01 02 05 06 13 16 21 30 31 36 38 42 44 46 47 56 60 65 71 73 76 02F 02Fe 02Fz 05A 06R 13A 13Ab 13Ax 13F 13F6 16A 21L 21Lc 30B 30Bc 30Bc5 30Bz 30D 30Df 31K 31Ka 31Ka3 31M 36D 36Db 44E 44Ei 44L 44Lc 44L 46G 46Gf 56F 56F1 65A 65Am 65Am1 65Am2 65Am4 65Ab 65Aba 65D 65Df 65Dg 65Dv 65Dt 65Ds 65F 65Fç 65Fp 65Fz 65G 65Gb 65K 65K1 65K16 65Z 65N 65Np6 65Nm 73A 73Aç2 73Ad 73Ad2 76D 76Da

239. *Ephelis cruentalis* (Geyer, [1832])

Synonym(s): cruentalis Geyer, [1832]; bourjotalis Duponchel, 1833; badialis Treitschke, 1835

Range (in code): FR Si IT YU BG GR Rd Cr TR LB Cc GG Tbl Mng Lag AM AZ IL Pa Hf EG IR Fa Sse Elb Th Kdj Nss Kdv Gor Kh IQ Ry Shq AF Adr Shv Kab KG Slu Syr 01 05 06 12 13 16 21 25 30 31 33 34 35 36 38 39 42 44 46 49 56 58 63 65 76 80 05A 06K 06Kb 06R 12E 12Ed 13C 13Ce 13F 13F7 13F71 13G 13Gü 13Gw 16A 21L 21Lf 30B 30Bc1 30Bc 30Bz 30C 30Cb 30D 30Df 30Dp 30Dx 31M 36D 36Db 42K 44A 44Ac 44E 44Ee 44L 44Lc 49D 49Db 56D 56Dc 56F 56Fb 56Fç 56F1 58G 58Gb 58R 58Rb 65A 65Ai 65Ac 65Ac3 65Aba 65D 65Df 65Dh 65Dl 65Dlc 65Dt 65Du 65Dv 65F 65Fe 65Fp 65Fz 65G 65Gb 65H 65Hb 65K 65Ké 65Kg 65L 65Le 65N 65Np2 65Nr2 65Nm 76C 80B 80Bc

240. *Ephestia (Anagasta) welseriella* (Zeller, 1848)

Synonym(s): welseriella Zeller, 1848; modestella Lederer, 1863; tephtrinella Lederer, 1870; rhenanella Fuchs, 1877; suffusella Ragonot, 1901; immodestella Rebel, 1916; superbella Lucas, 1954; capricola Hampson, 1927

Range (in code): LY Cy DZ MA TN Gf PT ES Mu FR Co Sa Si IT MT DE CH AT HU RO YU HV MK AL BG GR Cr TR IL Hf Pa LB Bsa Bei RU Cc GG AM AZ IR Mz Elb 05 06 13 16 30 36 42 44 45 46 65 71 05A 13A 13Ab 13Ax 13F 13F35 16A 30B 30Bt1 30Bz 36D 36Db 44L 44Lc 65A 65Am 65Am1 65D 65Df 65F 65Fp 65Fz

241. *Epischnia illotella* Zeller, 1839

Synonym(s): illotella Zeller, 1839; asteriscella Millièr, 1873; alfacarella Amsel, 1954; #micronella Roesler, 1969

Range (in code): DZ Bsk Ges TN Gf PT ES Mu FR Co Sa Si IT MT DE SK RO YU MK AL GR Cr RU MD UA BY TR KG Uk CY IL Pa LB Bsa Bmm EG 16 31 42 44 65 76 16A 31M 44L 44Lc 65A 65Ai 76A 76Aa

242. *Etiella zinckenella* (Treitschke, 1832)

Synonym(s): marginella Fabricius, 1781 nec Den. & Schiff., 1775; zinckenella Treitschke, 1832; etiella Treitschke, 1835; majorellus Costa, 1836; colonnellus Costa, 1836; dymnusalis Walker, 1859; heraldella Guenée, 1862; anticalis Walker, 1863; indicatalis Walker, 1863; hastiferella Walker, 1866; decipiens Staudinger, 1870; spartiella Rondani, 1876; sabulinus Butler, 1879; madagascariensis Saalmüller, 1880; schisticolor Zeller, 1881; villosella Hulst, 1887; rubribasella Hulst, 1890; #tiella Pinhey, 1975.

Range (in code): PT ES FR Co Sa Si IT MT GB NL LU DE CH AT CZ SK HU RO YU AL BG GR TR DK RU MD UA BY IL JO LB IQ IR YE Sk CY EG KK Ax MG AF PK IN LK BT NP TH MM LA VN MY Bor ID Sum Ja AU CN Hn TW JP US CA CU PR EC GS PH PG SB NC WS DZ NA TN LY EG GW LB SL GA CM NG NE CI Gg Cls GM CF SD ET ER DJ SO KE UG YE TZ ZW RW BI MW AO NM SZ LS MG MZ ZA Tva Nta Gau Tva Lpo Spb Mdk BW SC ZR ZM TD WS FJ Pa Hf TH CMA Cnz Cz10 Cz11 ID Sum Shb AE Fa Shr Com Se Ha Th Elb Kuh Ss Kdj 01 05 06 09 13 16 17 30 31 33 39 44 46 58 65 71 76 80 05A 09K 09Ka 13A 13Ab 13Ax 13F 16A 30B 30Bc 30Bc5 30Bz 31M 33A 33Ac 33Ac 44E 44Ei 44L 44Lc 65N 65Np 65Np5 65Nm 76A 76Ac 76B 76Bb

243. *Euchromius pulverosus* (Christoph, 1887)

Synonym(s): pulverosa Christoph, 1887; cochlearella Amsel, 1949

Range (in code): Cc Nv Ord AZ TR IQ Ry IR Elb Kdv Kdj Th Es By Yas Nss Sse Shr Dam SY IL Pa Js LB Bsa Bei 01 06 08 13 21 23 30 36 42 44 46 51 56 65 73 76 06R 13F 13F18 13F25a 13F38 13F41 13F7 13F71 21N 21Nb 30B 30Bc 30Bc1 30Bc 30Bt1 30Bz 36D 51D 51Db 56F 56F1 65D 65Dv 65Dt 65Du 73A 73Ad1 76D 76Da

244. *Evergestis desertalis* (Hübner, [1813])

Synonym(s): desertalis Hübner, [1813]; vandalusialis Herrich-Schäffer, [1855]; avicennae Tams, 1925

Range (in code): MA Cn DZ Thh Ges Ah Gha Bsk Tou Ogl Heh Gle Omy Gtt LY Cy ES An Grn Alm Alc Vcl Mu Si MT RO BG TR EG EG11 IQ Dy IR Fa Shr Th Kdj Elb Kz Sde Ss Irs Cc AM Eri AZ Kir Nv Ord UA SA AF Pli Kab AE 05 06 26 30 36 42 44 76 05A 30B 30Bt1 30Bz 36D 36Db 44E 44Eh 44Ei 76B 76Bb 76C

245. *Evergestis forficalis* (Linnaeus, 1758)

Synonym(s): forficalis Linnaeus, 1758; trivialis Scopoli, 1763; forficatus Fabricius, 1798; sodalis Butler, 1878

Range (in code): DZ Anna PT ES FR Co Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU BG TR DK NO SE FI EE LV LT RU MD UA BY IR GlS Kh AF Kot Kab Pag PK Haz Nar 05 16 17 53 76 05A 16A 76D 76Da

246. *Evergestis frumentalis* (Linnaeus, 1761)

Synonym(s): frumentalis Linnaeus, 1761; espanalis Schawerda, 1926

Range (in code): PT ES FR Co Sa IT DE AT PL CZ SK HU RO YU AL BG GR TR Cc AM GG Lag Tbl AZ Kir Len DK SE FI EE LV RU MD UA BY IR TM Kp KG Uk Tk Dj Ii CN Ui Ku Kml 05 06 08 13 16 17 30 32 36 38 42 44 65 71 76 05A 06N 06Ne 06R 06Rd 06Rh 13G 13Gw 13Gs 16A 30D 30Df 36D 36Db 44E 44Ei 65D 65Df 65Dh 65Dx 65Di 65Dlc 65E 65Eb 65Eç 65Fz 65M 65Mc 65Md 76A 76Ac 76Ae 76B 76Bb 76Bf 76Bh

247. *Glaucobaris euchromiella* (Ragonot, 1895)

Synonym(s): euchromiella Ragonot, 1895; sinualis Hampson, 1900; rebeli Osthelder, 1941.

Range (in code): GR Cr TR Cc AM IR Th Elb 13 30 31 33 46 56 65 76 13A 13Ac 13Ac2 13Ax 13F 13F18 13F25a 13F25 13F35 30B 30Bç 30Bt1 30Bz 30D 30Df 31M 33A 33Ad 56F 65A 65Ai 65D 65Df 65Dv 65Du 65Fz 65K 65Kb 65Kl6 65Z 65L 76D 76Dd

248. *Hypsopygia costalis* (Fabricius, 1775)

Synonym(s): costalis Fabricius, 1775; fimbrialis [Denis & Schiffermüller], 1775; purpurana Thunberg, 1784; hyllalis Walker, 1859; rubrociliatis Staudinger, 1870; #lugens Rebel, 1903; syriaca Zerny, 1914; lugens Caradja, 1917.

Range (in code): DZ Orn PT ES FR Co Sa Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR CY TR Cc DK NO SE FI EE LV LT RU MD UA BY IR Ab Sro Th Elb Mz GlS IL Hf Pa EG TM Kp UZ Fe PK IQ Shq Dia KG Tk Tks Nrk CN Ui 01 06 09 13 16 30 31 33 36 38 39 46 56 65 73 75 76 09K 09Ka 13A 13Aa 13B 13Ba 13F 16A 30B 30Bç 30Bz 30D 30Df 30Dx 31M 33A 33Ac 36D 36Db 65A 65An 65D 65Dh 65Du 65Dv 65F 65Fr 65L 65Lb 73A 73Ad 73Ad2 75F 75Fb

249. *Keradere noctivaga* (Staudinger, 1879)

Synonym(s): noctivaga Staudinger, 1879

Range (in code): MK GR CY TR IL LB Bsa IQ Hjo IR Elb Mz Dam Fa Shr Sse TM 05 09 31 36 42 46 65 05A 31M 36D 36Db 65G 65Gb 65N 65Np5 65Nm

250. *Mecyna subsequalis* (Herrich-Schäffer, 1855)

Synonym(s): #subsequalis Herrich-Schäffer, 1851; subsequalis Herrich-Schäffer, 1855; lutulentalis Lederer, 1858; consequens Meyrick, 1932

Range (in code): BG GR Cr TR SY Dms IQ Hjo LB Bsa Cc GG Bjo AZ Nv Ord IR Th Elb Kdv Mz Dam Gor 01 05 06 13 24 29 30 31 33 42 44 46 56 58 65 69 71 76 80 05A 06H 06R 13A 13Ab 13Ac 13Ac2 13Ax 13F 13F01 13F35 13F38 13F7 13F71 13G 13Gü 13Gw 29A 30B 30Bç 30Bt1 30Bz 30D 30Df 31K 31Ka 31Ka3 31Ka6 44E 44Eh 44Ei 56F 56Fs 56Fs1 65A 65At 65At5 65Ab 65Aba 65B 65Bo 65Bx 65D 65Df 65Dh 65Dv 65Dt 65F 65Fz 65Fp 65G 65Gb 65K 65Kl6 65Z 76C 76D 76Dd

251. *Mecyna trinalis* ([Denis & Schiffermüller], 1775)

Synonym(s): trinalis [Denis & Schiffermüller], 1775; andalusica Staudinger, 1879; tripunctalis Oberthür, 1887; anienalis Hartig, 1941; joannialis Marion, 1955; maroccanensis Amsel, 1956

Range (in code): MA Rf DZ Lbs Anna Agi ES Mu FR Si IT AT CZ SK HU RO YU AL BG GR TR Cc IQ Hjo Mos IR Elb Kdv Plr Mz Gor Ha Adv UA Cc GG Bjo MN 05 06 08 13 23 29 30 33 44 46 56 61 65 73 76 05A 06R 06Rb 08H 08Hc 13F 13F6 13F71 30B 30Bç 30Bt1 30Bç 30Bz 33A 33Ac 44L 44Lc 56F 56Fs 56Fs1 65A 65Ac 65Ac3 65Ai 65At 65At5 65B 65Bo 65Bx 65D 65Df 65Dh 65Dt 65G 65Gb 65K 65Kd 65Ké 65Kg 65N 65Np2 65Nm 73A 73Ad 73Ad1 76C 76D 76Dd

252. *Metasia supbandalis* (Hübner, [1823])

Synonym(s): supbandalis Hübner, [1823]

Range (in code): DZ BtNa Bsk TN Gf PT ES Mu FR Co Si RO YU AL BG GR Cr TR Cc CY IQ Hjo IR Elb Th Kdj Sse Fa Com GlS 05 06 16 17 33 34 35 42 45 58 65 71 76 05A 06R 16A 33A 33Ac 33Ac 65B 65Bo 65Bx 65D 65Df 65G 65Gb 65Kd 65Kg 65L 65Le 65N 65Np2 65Nm 76C 76D 76Da

253. *Myelois (s.str.) circumvoluta* (Fourcroy, 1785)

Synonym(s): circumvoluta Fourcroy, 1785; circumvolutella De Villers, 1789; cribrella Hübner, 1796; carhdui Haworth, 1811; medullalis Hübner, [1825]; pallium Vallot, 1829; gilvescentella Fuchs, 1903; britannicella Amsel, 1951; impunctata Hartig, 1952; nigrapexa Hartig, 1952

Range (in code): DZ Ges Lbs PT ES FR Co Sa Si IT GB BE NL DE CH AT PL CZ SK HU RO YU AL BG GR TR DK SE FI EE LV LT RU MD UA BY IR Mz 01 06 13 17 21 30 31 33 36 49 65 71 73 80 06R 06Rd 13F 21L 21Lc 30B 30Bt1 30Bz 31M 36D 36Db 49F 49Fb 65Am 65Am 65Am1 65Am4 65D 65Dh 65Ds 65Dv 65Du 65K 65Kd 65Kg 65N 65Np1 65Np5 65Nm 73D 73Df

254. *Nomophila noctuella* ([Denis & Schiffermüller], 1775)

Synonym(s): noctuella [Denis & Schiffermüller], 1775; hybridalis Hübner, 1796; incertalis Hübner, [1825]; indistinctalis Walker, 1859

Range (in code): Cn Md MA Rbt DZ Bsa BtNa Bsk Sfr Cst TN Sfx LY Cy Elk PT ES FR Co Sa Si IT MT IS IE GB BE NL LU DE CH AT PL CZ SK HU RO SS B-H HV MK YU AL BG GR Cr CY TR IQ Bgd Dia Shq Amr Kro Bji IR Ahz Ab Elb Dam Plr Mz Enz JO Amm LB Bsa Bei AF Hr Bmu Anj Gz Jla Kot SA SA50 SA74 KE Elg Nai SD SD07 SN GM CG TZ MW

Mje AO ZW MZ DK NO SE FI EE LV LT RU MD UA BY PH TW AE Cp Haz Abb C-P Cte ID IN ZA Ans Bf Est Nta Kzu LS Tra Gau Pre Umk Wri RE KM MG MU Sro Qba Gea Bsk Onç Ceg Heh Ogl Gle Omy Gtt Ah Ajj Ges Rhr Ii Ui Ku Njr Mer Har Nam SD95 EG EG07 EG11 EG31 EG33 EG34 EG35 ET ET08 ET70 ET87 ET263 SY Hal IL Pa Js Hf YE Sna BH PK Mre Krc UZ Smk Br Rw Bl Lag Ax Dlh Hp Cp Drm Ca Ass Khs Pj Ni Nag Nnt Poo Pus Sml NP SI MM LK CN Mc Ti Hun Pkn Yu Lik Kgs Sz Ome Stg T-T KP KR JP Hkk Hw AO BW TD ZR DJ ET GM KE MG MW MR MU MZ NA NE SN SC SD TZ ZW 01 05 06 08 11 13 14 16 17 21 30 31 32 33 34 35 37 38 39 44 46 48 49 53 55 56 58 60 63 65 71 73 76 80 05A 06R 08H 08Ha 13A 13Aa 13Ab 13Ac 13Ac2 13Ac3 13Ax 13B 13Ba 13F 13F22 13F6 13G 13G1 13Gö 13Gğ 13Gw 13Gü 13Gs 16A 21N 21Nb 21Nc 30B 30Bc1 30Bç 30Bt1 30Bz 30Br 30D 30Df 31A 31H 31M 33A 33Ad 33Aj 33Am 33Ao 44E 44Ei 44L 44Lb 44Lc 48L 49F 49Fb 49Ff 55F 56D 56Dc 56F 56Fo 58G 60G 63B 63Ba 63D 65A 65Ai 65An 65Am 65Am1 65Am2 65Am3 65Ab 65Aba 65D 65Da 65Dd 65Dda 65Df 65Dh 65Dg 65Di 65Dlc 65Dr 65Dt 65Du 65Dv 65E 65Eb 65Ec 65Eç 65Ed 65F 65Fb 65Fc 65Fd 65Fp 65Fw 65Fz 65G 65Gb 65Gf 65Gn 65Gy 65N 65Nc 65Nc4 65K 65Kb 65Kç 65Kl 65Kl1 65Kl6 65Z 65Ku 65Ky 65Ky1 65L 65Lb 65Le 65M 65Mc 65Md 65N 65Nk 65Np 65Np1 65Np2 65Nm 73A 73Aç 73Aç2 73D 73Db 73Df 73Dfb 73Dfc 76B 76Bç 76D 76Da 80B 80Bc 80E 80Ea

255. *Nyctegretis lineana* (Scopoli, 1786)

Synonym(s): lineana Scopoli, 1786; achatinella Hübner, [1824].

Range (in code): ES FR Sa Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU GR TR Cc DK NO SE FI EE LV LT RU MD UA BY Ur LB IL IQ IR Mz Elb CN Ui Ku Shs AF KG Uk TM Kp MN 06 07 13 16 21 31 33 34 46 48 65 71 75 76 13A 13Ab 13Ax 13F 16A 31M 48L 65A 65Ai 75F 75Fd 76C 76D 76Da

256. *Oncocera amoenella* (Zeller, 1848)

(Fig. 18)

Synonym(s): amoenella Zeller, 1848; erberi Mann, 1867

Range (in code): IT HV RO YU AL MK GR TR Arr Cc AM IR GlS CN Ui Ku Ga AF TM TJ KG Ao At MN UZ 13 24 30 33 36 39 56 65 73 76 13F 24L 30B 30Bç 30Bt1 30Bz 33A 33Ae 36D 36Db 56F 56F1 65A 65Ai 73A 73Ad 73Ad2



Fig. 18 – *Oncocera amoenella*. Female genitalia with partly enlarged bursa copulatrix (GP2775). NE Turkey, Kars Pr., Akçay 1200m (36Db).

257. *Oncocera semirubella* (Scopoli, 1763)

Synonym(s): semirubella Scopoli, 1763; rosella Goeze, 1783 nec Sc., 1763; purpurella Thunberg, 1788; sanguinella Hübner, 1796; sanguinea Haworth, 1811; nigrella Caradja, 1916

Range (in code): DZ Cst PT ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU BG GR Cr CY LB IL Pa Hf TR Cc IQ Amr Shq AF Hr CN JP DK NO SE FI EE LV LT RU Am MD UA BY KP KR TW IR Enz Mz Kh CN Ui Tek Kty 01 05 06 07 08 09 13 14 16 17 26 30 31 33 36 44 46 48 56 65 71 75 76 80 81 05A 06R 06Rd 07B 07Bb 08H 08Ha 13F 16A 30D 30Df 31A 31G 31O 31M 36D 36Db 44E 44Ei 48L 56F 65A 65Ai 65D 65Dv 65F 65Fç 65Fz 75F 75Fb 75Fd 76D 76Da

258. *Paracorsia repandalis* ([Denis & Schiffermüller], 1775)

Synonym(s): repandalis [Denis & Schiffermüller], 1775; repandata Fabricius nec Linn., 1758; pallidalis Hübner, 1796

Range (in code): MA DZ PT ES FR Co Sa IT MT GB BE LU DE CH AT PL CZ SK HU RO YU MK BG GR Cr TR Cc AZ Nv Ord IR Th Kh Fa TM Kp RU MD UA Cm BY AF Kot Srb Bsg Pag Bm US Idp 05 06 13 16 31 36 38 42 44 45 46 65 70 76

05A 06R 13A 13Ab 13Ax 13F 16A 31K 31Ka 31Ka3 31Ka5 36D 36Db 44I 44Ic 44L 44Lc 65A 65Ac 65Ac3 65Ai 65Am 65Am1 65D 65Df 65Dh 65Dg 65Dt 65F 65Fp 65Fz 65G 65Gb 65Gf 65Gy 65K 65Kl1 65Kl6 65Z 65L 65Le 65N 65Np2 65Nm 70C 70Ce 76C

259. *Prochoristis rupicapralis* (Lederer, 1855)

Synonym(s): rupicapralis Lederer, 1855

Range (in code): IL Pa Hf CY LB Bei TM Kp AF Hr TR IQ Mos Kbl Rwz SY IR Fa Shr Ss Sse Mia AE 05 30 36 63 05A 30B 30Bt1 30Bz 36D 36Db 63D 63Dd

260. *Psorosa albariella* (Zeller, 1839)

Synonym(s): albariella Zeller, 1839; dilucida Staudinger, 1879

Range (in code): ES Py FR Si IT SK HU HV MK YU RO BG TR UA Ode Cm RU Ur KG 05 36 58 65 05A 36D 36Db 65F 65Fç 65Fz 65N 65Np1 65Nm

261. *Pyrallis perversalis* (Herrich-Schäffer, [1849])

Synonym(s): lucidalis Eversmann, 1844 (praeocc.); perversalis Herrich-Schäffer, [1849]; narynensis Zerny, 1914; rubiginetincta Caradja, 1931; #naryssensis Amsel, 1961

Range (in code): CZ HU RO RU Ur MD UA BY TR Cc GG Ord Kir AZ Nv KG Tk Nrk CN Ui Ku IR Elb Mz Kh LB Bsa 13 25 42 65 76 13A 13Ab 13Ax 13F 65A 65Ac 65Ac3 65B 65Bo 65Bx 65D 65Df 65Fz 65G 65Gb 65K 65Kl6 65Z 65N 65Nf 65Np2 65Nm 76C 76D 76Da

262. *Pyrasia gutturalis* (Staudinger, 1879)

Synonym(s): gutturalis Staudinger, 1879

Range (in code): TR LB Bsa SY Dms IQ Hjo IR Fa Shr Sse Com Elb Mz 01 02 07 13 21 30 31 45 46 47 56 65 76 02F 02Fe 02Fz 07O 13F 21L 21Lc 21N 21Nb 30B 30Bc 30Bc5 30Bz 30D 30Df 31F 31M 46G 46Gi 56F 56Fa 65A 65An 65Am 65Am1 65Am4 65D 65Df 65Dh 65Ds 65Du 65Dv 65G 65Gf 65Gy 65K 65Kl1 65Kl6 65Z 65N 65Np6 65Nm 76D 76Da

263. *Pyrausta aurata* (Scopoli, 1763)

Synonym(s): aurata Scopoli, 1763; punicealis [Denis & Schiffermüller], 1775; niepoldalis Lederer, 1863; meridionalis Staudinger, 1880 nec Wcke, 1871; deficiens Dufrane, 1957; inciae Koçak, 1982

Range (in code): Cn MA DZ TN PT ES FR Co Sa Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr LB Bsa IL Pa CY TR IR Fa Yz Elb Kdj Th Ana Ke Ab Sro Enz Gh Kh Tgo Gls IQ Dia Rwz Shq DK NO SE FI EE LV LT RU MD UA BY AF Srb Pli Arh Hr Kot Fz Khi Kab Dwe Cc GG Bjo Mng Nv Ord Hkd Len Sok AZ Agi 01 05 06 13 14 16 23 30 31 42 44 56 65 71 76 05A 06R 06Rd 13A 13Ab 13Ax 13C 13Cc 13Cd 13F 13F25 13F7 13F71 13G 13Gf 13Gg 13Gw 13Gü 16A 30B 30Bç 30Bz 30D 30Df 30Dx 31K 31Ka 31M 44E 44Ei 44F 44Fb 44I 44Ic 56F 56Fb 65A 65Ag 65Ai 65Am 65Am2 65At 65At5 65G 65Go 65F 65Fp 65Fz 65K 65Kl6 65Z 76D 76Dd

264. *Pyrausta cingulata* (Linnaeus, 1758)

Synonym(s): cingulata Linnaeus, 1758; aethiopata Scopoli, 1763; cingulalis [Denis & Schiffermüller], 1775; eremitica Fourcroy, 1785; vittalis La Harpe, 1864; apenninalis Costantini, 1923; rectefascialis Toll, 1936

Range (in code): ES FR Co IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR DK SE FI EE LV LT RU MD UA BY Cc GG Tbl Bjo Kir AZ 01 05 06 16 17 33 34 62 75 76 80 05A 16A 62G 75F 75Fd 76D 76Dd

265. *Pyrausta purpuralis* (Linnaeus, 1758)

Synonym(s): purpuralis Linnaeus, 1758; inflammata Scopoli, 1763; purpuraria Latreille, [1803]; confundalis Zetterstedt, 1839; chermesinalis Guenée, 1854; melanialis Caradja, 1916

Range (in code): DZ Lbs PT ES FR Co Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG Bjo Pti Kir Lag Len AZ DK NO SE FI EE LV LT RU MD UA BY IR Ha IL Pa Hf 01 05 07 13 16 17 31 33 39 61 65 76 80 05A 05E 13F 16A 31M 65A 65As 65K 65Kl 65Z 76D 76Da

266. *Pyrausta sanguinalis* (Linnaeus, 1767)

Synonym(s): sanguinalis Linnaeus, 1767; crentalis Scriba, 1770; haematalis Hübner, [1819]

Range (in code): PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU MK AL BG GR Cr TR DK NO SE FI EE LV RU MD UA BY Cc GG AZ Tbl Bjo Kir Lag AM Eri IL Pa Hf LB CY IR Gh Tgo Ana Ke Fa Shr Com Elb Kh Th Mz Plr Gor AF Pag Kot Bkt Asm Arh Hr Slg Bsg Gbh Srb Pl Nv Ord Len Mz Gls DZ Bsk Clo TN Gf Ui Ku Js MA DZ PK Gg Cls Ds Mre 01 02 05 06 07 13 16 17 30 31 33 34 39 44 54 56 65 69 70 71 73 76 80 02F 02Fe 02Fz 05A 06R 06Rb 13A 13Ab 13Ax 13F 13F01 13F41 16A 31K 31Ka 31M 33A 33Ac 33Am 44L 44Lc 56F 56Fo 65A 65Am 65Am1 65D 65Df 65Ds 65Fz 70C 70Ce 73E 73Eb 76D 76Da

267. *Pyrausta virginalis* Duponchel, 1832

Synonym(s): virginalis Duponchel, 1832; auralis Zeller, 1847; tristriatalis Szent-Ivany & Uhrík-Meszaros, 1942; arianalis Amsel, 1970

Range (in code): TN Elk Sfx FR Co Sa Si IT CH AT SK HU RO YU HV MK AL BG Slv GR Cr Rd CY TR Cc AM Eri IL Pa Js IQ Hjo Mos Shq IR Fa Shr Sse Th Kdj Elb Mz Kh Srd AF Pnj Kbb Kot BdA 01 02 06 13 14 16 30 31 32 38 44 58 65 71 73 80 02F 02Fe 02Fz 06R 13F 16A 30B 30Bc1 30Bç 30Bz 31K 31Ka 31M 44L 44Lc ?65A ?65An ?65D ?65Dh ?65Ds ?65Dg ?65Du ?65Dt ?65N ?65Np6 ?65Nm 73D 73Df 73Dfc 76D 76Dd 80B 80Bc

268. *Sciota rhenella* (Zincken, 1818)

Synonym(s): *rhenella* Zincken, 1818 Range (in code): ES FR IT BE NL DE CH AT PL CZ SK HU RO YU BG DK FI EE LV LT RU IQ Shq TR AF Cc GG Lag KG Tk Dj Ii IR Elb Th Kdj 08 13 42 65 71 76 08H 08Ha 13F 65F 65Fç 65Fz 76D 76Da

269. *Sitochroa verticalis* (Linnaeus, 1758)

Synonym(s): *verticalis* Linnaeus, 1758; *inversa* Fourcroy, 1785; *cinctalis* Treitschke, 1829; *nigricillialis* Ragonot, 1895 [ssp.]

Range (in code): PT ES FR Co Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG IR Ab Ak Shf Elb GlS Th Kdj Ha Kh DK NO SE FI EE LV LT RU Sb MD UA BY AF Hr Bmu Kot Bark Fz Pli Bd UZ KG sKG Tks Db Kdy Tk Dj Ii JP 01 02 05 06 08 16 21 25 27 30 31 32 36 42 46 56 65 71 76 02F 02Fe 02Fz 05A 05E 06R 06Rb 08H 08Hc 16A 21N 21Nh 27E 30B 30Bc1 30Bc2 30Bc5 30Bt1 30Bz 36D 36Db 56F 56Fv 65A 65Ab 65Aba 65Abc 65D 65Da 65Dn 65DI 65Dlc 65F 65Fp 65Fz 76A 76Ac 76B 76Bj 76Bf 76Bh 76D 76Da

270. *Tegostoma comparalis* (Hübner, 1796) (Fig. 19)

Synonym(s): *comparalis* Hübner, 1796; *ramalis* Hübner, 1796; *tenebrosalis* Walker, 1865; *fotalis* Swinhoe, 1885; #*comparale* Caradja, 1917.

Range (in code): DZ Bsk TN Gf ES FR Sa Si IT MT YU BG GR TR Cc AF IN PK Sd Krc Cp ZA AE SY IR Mz TM RU Ro 16 42 44 45 46 56 58 71 76 16A 42B 44I 44Ic 56F 56Fö 76A 76Ac 76B



Fig. 19 – *Tegostoma comparalis*, at rest. NE Turkey, Iğdır Pr., Aralık, DÜÇ (76Ac), 13.v.2012, M.Kemal (Cesa)

271. *Thyridiphora furia* (Swinhoe, 1884)

Synonym(s): *furia* Swinhoe, 1884; *fenestrata* W. Warren, 1888; *grisea* Amsel, 1968.

Range (in code): GR TR IQ Rwz Kbl PK Pj Cp Krc Gg Cls IR Elb Th Kdj Fa Shr Chh Ss Ana Ke YE Ad 01 07 33 36 46 07B 07Bb 33A 33Aj 33Ak 33An 36D 36Db

272. *Titanio caradjae* (Rebel, 1902)

Synonym(s): *caradjae* Rebel, 1902

Range (in code): TR Cc 46 76 46G 76D 76Da

Remarks: Rebel (1902) described this species from Gaziler (=Kulp). However, no specimen was obtained by us so far.

273. *Udea ferrugalis* (Hübner, 1796)

Synonym(s): *ferruginalis* Rossi, 1794 nec Fabr., 1781; *ferrugalis* Hübner, 1796; #*ferugalis* Hübner, 1796; *martialis* Guenée, 1854; *hypatialis* Walker, 1859; *testacea* Butler, 1879

Range (in code): DZ MA PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr CY TR DK NO SE FI EE LV RU MD UA BY IL Pa Hf LB Bsa IR Ahz Elb Mz Kdv Dam Plr Gor Kdj Km Th Fa Shr Sse Kh Gh Tgo IQ Dia Bgd Rwz AF Ca Arh Khi Adr Fz Bsg Hr Blh IN LK MM ET JP TW TH CMa Dst Dso9 Cc GG Tbl Lag Len AZ

Sok Cn AE Ajj Clo BW BI CM ZR ER KE RE MG MU MZ SC ZA SD ZW 01 03 05 06 07 13 14 16 17 26 30 31 32 33 34 35 38
42 44 46 48 49 56 58 63 65 71 75 76 80 05A 06R 06Rb 13A 13Ab 13Ax 13F 13F25 13G 13Gö 13Gğ 16A 30B 30Bç 30Bç1
30Bt1 30Bz 30D 30Df 31K 31Ka 31M 33A 33Ac 33Ac 44E 44Ei 44L 44Lc 48L 49F 49Fb 56F 63D 65A 65Ai 65Am 65Am2
65Am4 65D 65Df 65Du 65Dv 65F 65Fd 65Fp 65Fz 65K 65Kl 65Kl6 65Z 65Ku 65N 65Nc 65Nc4 65Np1 65Nm 75F 75Fb
76D 76Da 76Dd 80B 80Bc

Saturniidae

274. *Saturnia (s.str.) pyri* ([Denis & Schiffermüller], 1775)

Synonym(s): *pyri* [Denis & Schiffermüller], 1775; *teherana* Lenek, 1970; *pinkerae* Kobes, 1980.

Range (in code): PT ES FR Co Sa Si IT NL LU CH AT CZ SK HU RO DK YU AL BG GR Rd TR SY Dms LB Bsa Pa IL
Hf IQ IR Ab Ak Oru Shf Msw Fa Shr Kh Ke Elb Th AM Eri AZ Nv Ord Hkd GG Tbl Smt Bjo Cc RU Da Der 05 06 07 10 12
13 15 16 17 19 21 22 25 26 28 30 31 32 33 38 34 42 44 46 47 50 53 56 58 64 65 72 73 76 05A 06H 06Ha 06R 06Ra 06Re
06Rl 07C 10U 12E 12Ed 13C 13Cf 13F 13F35 17E 19G 21N 21Nb 21Nh 22A 25F 26K 28H 30B 30Be 30Bd 30Bt1 30Bz 31K
31Ka 33R 33Rb 33E 33G 34S 34Sb 47D 56F 56Fb 56Fh 64F 65D 65Dh 65F 65Fn 72F 72Fa 73A 73Ac 73Ak 76B 76Ba

Spingidae

275. *Acherontia atropos* (Linnaeus, 1758)

Synonym(s): *atropos* Linnaeus, 1758; *solani* Oken, 1815; *sculda* Kirby, 1877.

Range (in code): Az Cn CV MA DZ TN LY PT ES Mu An FR Co Sa Si IT MT IS IE GB BE NL LU DE CH AT PL CZ SK
HU RO YU AL BG GR Cr CY Rd TR DK NO SE FI EE LV LT RU MD UA Cm BY LB IL Hf Pa JO AZ IR Elb Gor IQ SA MU
MG ZA Nta Cap Ec Pre Tva SO MZ GN SL TZ GM GA EG EG05 SY AZ AM Bkw Gau Lpo Spb Mdk Mpu Brb Dbn Kir GG
Bjo Tbl Lag Len Da Mo VI St Sr Cc Kh Agi Btina Orn Clo 01 06 17 21 31 33 34 35 36 37 46 48 55 56 61 31K 31Ka 31Ka5
36D 36Da 36F 46G 46Gf 56F 56Fa

276. *Agrius convolvuli* (Linnaeus, 1758)

(Map 21)

Synonym(s): *convolvuli* Linnaeus, 1758; *abadonna* Fabricius, 1798; *pseudofasciatus* Koch, 1865; *pseudoconvolvuli*
Schaufuss, 1870; *orientalis* Butler, 1876; *distans* Butler, 1876; *batatae* Christ, 1882; *nigricans* Cannaviello, 1900; *ichangensis*
Tutt, 1904; *javanensis* Tutt, 1904; *tahitiensis* Tutt, 1904; *indica* Skell, 1913; *marshallensis* Clark, 1922; *aksuensis* O. Bang-
Haas, 1927.

Range (in code): Cn MA DZ TN LY PT ES FR Co Sa Si IT MT IS IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL
BG GR Cr CY TR DK NO SE FI EE LV LT RU MD UA BY KG KK EG LB Bsa SY IL JO IQ OM SA IR TM Kp BH QA TJ Pm
CN Ui Au Ln Ga Pkn Ti KP KR JP ID Ja Sum GN NH Md Az ET CM NG ZW Ec SD MU MG TJ Pm YE Ad Gor Elb TW Tn
Ngl PK Krc Ask Clc BT SI MM TH Amb Aru NZ FJ PG NC GG Bjo Tbl Pt Tt VI Mo Cm ZA Jh Gau Cap Ec Tva Lpo Spb
Mdk Lj PH Bal Boh Cal Ceb CmM Din Jol Ley Luz Pq Mdo Mno Bkd Ktd Neg Pal Pan Sam Sga Siq Pre Brb Mpu AU
NSw WS FJ SB TZ Bkw Pb Agh Pa Hf AF Srb Sfk Nu Bsg Kab CMA Cuo Cuo3 Cmz Cz10 TAK Bnk Chb Nst Phc Kln TW
Cc AZ AM Cp LK Pdy Abe Btina Bsk Tun Agi Clo 05 06 10 13 16 21 31 42 44 48 60 65 75 76 05A 13F 16A 21N 21Nb 31K
31Ka3 31Ka5 48G 48Gb 60C 65N 65Ne 75F 76B 76Bk 76D 76Da

See also: Gözüağaç et al., 2018.

277. *Deilephila suellus* Staudinger, 1878

Synonym(s): *suellus* Staudinger, 1878; *kuruschi* O. Bang-Haas, 1938.

Range (in code): TR IR GG Bjo Tbl Lag Cc RU Da KK Ik CN Ui Au Ju IQ LB Bsa 01 04 05 06 07 12 13 19 25 30 32 42
49 50 58 60 61 65 66 70 71 01H 04I 05A 06R 06Ra 06Re 13F 13G 13Gs 13Gw 19C 30B 30Bg 30Bz 30Bd 30Bl 30D 30Da
36D 36F 42B 49E 49Ea 58R 60C 61K 61Ka 65A 65Am 65Am1 65Bx 65D 65Df 65F 65Fç 65Fe 65Fp 65Fz 65G 65Ge 65N
65Np 65Np1 65Nm 66P 70C 70Cf 71D 71De

278. *Hemaris (Eitschbergera) tityus* (Linnaeus, 1758)

(Map 22)

Synonym(s): *tityus* Linnaeus, 1758; *bombylifomis* Linnaeus, 1758; *knautiae* Zeller, 1869; *scabiosae* Zeller, 1869;
alaiana Rothschild & Jordan, 1903; *karaugomica* Wojtusiak & Niesiolowski, 1946; *#tityrus* De Freina, 1983; *saldaitisi*
Eitschberger, Danner & Surholt, 1998

Range (in code): DZ PT ES FR Co Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU BG GR TR GG Cc IR Elb Th
DK NO SE FI EE LV LT AM RU Or Ur Tv MD UA Bkw BY KK KG Ssn Sp At CN Mc Ts Kno 05 13 16 20 36 60 65 76 05A
13B 13Bg 13G 13Gs 13Gw 16A 36D 36F 60C 65D 65Dç 65Fz

279. *Hyles euphorbiae* (Linnaeus, 1758)

(Fig. 20)

Synonym(s): *euphorbiae* Linnaeus, 1758; *esulae* Hufnagel, 1766; *vandalusica* Ribbe, 1910; *etrusca* Verity, 1911; *sinensis*
Closs, 1917; *rothschildi* Stauder, 1928; *dolomiticola* Stauder, 1930; *filipjevi* O. Bang-Haas, 1936; *lucida* Derzhavets, 1980.

Range (in code): Md Cn MA DZ TN PT ES FR Si IT MT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr
Rd DK SE FI EE LV LT RU Ao Sr Sb Ur MD UA Bkw BY AZ Tlh IR Elb Th CN Ui Ku Muz TJ Pm TR Cc GG Smt Bjo Tbl
JO IL Pa Hf LB Bsa Bei IQ SY Dms IR Elb Th 01 05 06 07 09 10 13 14 15 16 17 20 21 24 25 30 32 33 35 36 42 45 44 46 47
48 50 51 56 58 60 63 65 70 73 76 01H 05A 06R 06Ra 06Re 10C 10D 13A 13Ab 13Ac 13Ax 13F 16A 21L 21Lc 21N 21Nb
24G 25C 25Ca 30B 30Bd 30Bt1 30Bz 30D 30Da 30Df 33R 33Rd 36D 51D 44E 44Ei 47F 47Fa 48G 48Gb 56F 56Fh 56Fa
56Fs 58G 58Gg 60C 63B 65A 65An 65Am 65Am1 65Ac 65Ac3 65B 65Bo 65Bx 65D 65Df 65Dg 65Dga 65F 65Fb 65Fe

65Fş 65Fz 65G 65Gf 65Gy 65K 65Kl1 65Z 65N 65Nc 65Nc4 65Np 65Np1 65Np2 65Nm 70C 70Cf 73C 73Cd 73D 73Da 76A 76Ac 76B 76Bb 76Bk 76D 76Da

280. *Hyles hippophaes* (Esper,[1789]) (Map 23)

Synonym(s): hippophaes Esper,[1789]; teriolensis Dannehl,1929; kiortsii Koutsaftikis,1974; #hippophaeas De Freina,1981

Range (in code): ES FR Co IT DE CH AT RO YU BG GR TR RU Da Der MD UA BY KG TJ Pm UZ Fe Ui Ku Ln MN IR Ch Cc GG Tbl AF Sfk Kab Srb o6 19 23 25 30 36 44 46 50 62 65 71 76 o6K o6Kc 19P 23I 25T 30B 30Ba 36F 44L 50G 65D 65F 65Fp 65Fz 65K 65Kb 65Z 65N 65Np 65Nm 76B 76Bk 76D 76Da

281. *Hyles livornica* (Esper,[1780])

Synonym(s): livornica Esper,[1780]; koechlini Fuessly,1781; tatsienluica Oberthür,1916; saharae Gehlen,1932; malgassica Denso,1944; tatsienluica Oberthür,1944; renneri Eitschberger, Danner & Surholt,1998.

Range (in code): Md Cn MA DZ TN PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR IR Elb Shh Gor Ke Kh Sbz DK SE FI EE LV RU Sr Mo MD UA BY CN Ui GG Bjo Tbl IL Hf Pa LB Bsa Bei TM Kp K-A Krn PK Bl Qu AU SAu Ade Hw ZA Cap Fs Blo SO MG IQ TW Bkw TH CMA NP SI Ch Djl YE Ad CN Ti Yu T-T Cm CY Ss Kz Gau Tva Pre Agh JO AF Nu Bsg Srb Kab Nu Bsg Cc AZ AM Cc Cp Ak Msw Ess Orn Odj Agi Ges BSA Omy Bsk Ktr Khh DhM Onç Gha Dzc Mzg Hrh Gf Omy Gle Ceg Gtt Ath Ah o1 o5 o6 o7 o9 10 13 16 17 19 21 23 30 31 33 34 35 36 44 45 46 47 48 53 56 58 60 61 63 73 75 76 o5A o6R o6Ra o6Re o7A o7C 10K 10Ka 13A 13Ab 13Ax 13F 16A 19G 19P 21L 21Lc 21N 21Nb 23I 30B 30Ba 30D 30Df 31K 31Ka 31Ka7 33A 33Ad 33Ae 44L 44Lc 46G 47F 47Fa 48G 48Gb 53N 56F 56Fa 56Fh 56Fo 56Fm 58N 60C 63D 65A 65At 65At5 65Am 65Am1 73C 73Cd 75F 75Ff 76B 76Bb 76Bk 76D



Fig. 20– *Hyles euphorbiae*, at rest. NE Turkey, Iğdır Pr., Kentormanı 960m (76Bb) on 9.v.2012, M.Kemal (Cesa)

282. *Hyles nicaea* (Prunner,1798)

Synonym(s): nicaea Prunner,1798; cyparissiae Hübner,[1813]; #nicea De Freina,1981

Range (in code): DZ Sbd MA Khh Afl PT ES FR Co Sa IT YU AL BG GR TR Cc AM Eri LB Bsa UA Cm IN KG Ssn IQ o6 13 19 25 30 36 50 58 60 65 66 76 13A 13Ab 13Ax 13G 13Gü 13Gw 19C 30B 30Ba 30Bh 30Bd 30Bz 30D 30Da 36D 36F 50G 58Ia 60C 65A 65Am 65Am3 65Ac 65Ac3 65Bx 65D 65Dl 65Dlc 65F 65F1 65Fp 65Fz 65G 65Ge 65K 65Kd 65Kg 65Kl6 65Z 66P

283. *Hyles zygophylli* (Ochsenheimer,1808) (Map 24)

Synonym(s): zygophylli Ochsenheimer,1808; jaxartis Frorreich,1938; xanthoxyli Derzhavets,1977; kirgisa Eitschberger & Lukhtanov,1996.

Range (in code): RU Da Der Ao Cc GG Tbl AZ Nv Ord TR AF TM Krn MN KK KG Uk sKG Tks Ui Ln Tpn AM UZ TJ RU Da IR Elb o4 36 76 o4C o4Cc 76A 76Ac 76B 76Bk

284. *Laothoe populeti* (Bienert,[1870])

Synonym(s): populeti Bienert,[1870]; populetorum Staudinger,1887; syriaca Gehlen,1932; intermedia Gehlen,1934.

Range (in code): TR Cc AZ Nv Ord Kir GG Bjo Lag AM LB SY IQ IR Ab Oru Qba Mz GlS Kh TM UZ TJ KK KG Uk Ssn T-S CN Ui Ku Ts Kno 02 05 06 12 13 25 30 32 36 42 44 46 48 53 56 60 65 71 75 76 02E 02Ec 05A 06R 06Ra 12E 13A 13Ab 13Ax 13F 13F38 13F7 13F71 13G 13Gü 13Gw 30B 30Bd 30Bz 30C 30Cd 30D 30Da 30Df 36D 36Db 36F 44E 44Eh 44Ei 46G 48L 56F 56F6 56F3 56F1 60C 65A 65Ai 65An 65Am 65Am1 65D 65N 65Np 65Nm 75F 75Fb 76D 76Da
See also: Gözüağaç et al.,2018.

285. *Macroglossum stellatarum* (Linnaeus,1758)

Synonym(s): stellatarum Linnaeus,1758; nigra Cosmovici,1892.

Range (in code): Cn MA DZ TN LY EG PT ES FR Co Sa Si IT MT IS IE GB BE NL LU DE CH AT PL CZ SK HU RO YU MK AL BG GR Cr TR IQ SY LB Bsa IL JO DK NO SE FI EE LV LT RU Sr Ur Mo Ao Sb To Am Vv MD UA Cm IR Elb Kh Ke KK KG Uk Ssn Sp TM Krn Kp TJ Pm UZ AF Ca PK Bl Qu CN Ui Kun Bkw BY KP KR TW JP Az Md CY Pa Hf K-A Lps Shh Ur Ask Pkn Cm Vl Pt Tt Or Bgd Rd JO Kab Khi Pjr Hrz Cc Mre Ab Qba Oru Ak Shf Rbt Saia Orn Agi Blid Omy Bsk Ktr Mzg Hrh Ahr Sfr Tni Tis 01 05 06 09 10 11 13 14 16 17 21 25 30 31 33 35 36 38 45 46 48 55 56 58 60 63 65 70 71 75 76 01H 05A 06R 06Rd 10D 10K 10Ka 13A 13Ab 13Ac 13Ax 13F 13Gw 13Gü 16A 30B 30Bc2 30Br 30Bz 30D 30Df 31K 31Ka 33A 33Aa 33Ak 33R 33Rb 33Rg 36D 36Db 38G 38Ga 46F 46Fd 48A 48G 48Gb 48L 55F 56F 56Fg 56Fm 56Fa 58N 63D 65A 65Ai 65B 65Bn 65Bn1 65D 65Dn 65Du 65E 65Eb 65Ec 65F 65Fb 65Fc 65Fd 65Fş 65Fz 65G 65Gs 65Gf 65Gy 65K 65Ks 65Kz 65Kg 65Ky 65Ky1 65L 65Le 65M 65Mc 65Md 65N 65Np 65Nm 70C 70Cb 75F 76B 76Bi 76Bk

286. *Rethera komarovi* (Christoph,1885) (Map 25)

Synonym(s): komarovi Christoph,1885; #kamarowi Wagner,1931; rjabovi O.Bang-Haas,1934; #albocingulata O.Bang-Haas,1934; #roseocingulata O.Bang-Haas,1937

Range (in code): MK AL BG GR TR Cc GG Bjo AM AZ Nv Ord RU AF KG IQ IR Kh Fa PK Bl Chm JO 02 05 06 13 23 30 36 42 44 46 56 60 65 66 70 71 02F 02Fe 02Fz 05A 06R 06B 06Bb 06Ra 13F 13F11 13F7 13F71 23I 30B 30Bc1 30Bc 30Bt1 30Bz 30Bg 30Bl 30Bd 30Ba 30D 30Df 36D 36F 42B 44L 44Lc 47F 47Fa 56F 56Fa 56Fb 56F6 56Fm 56Fq 56Fx 56Fb 56F1 60C 65A 65Am 65Am1 65Am3 65Am4 65Ai 65Ac 65Ac3 65B 65Bo 65Bx 65D 65Di 65K 65Kl1 65Z 66P 70C 70Cf

287. *Smerinthus kindermanni* Lederer,1852

Synonym(s): kindermanni Lederer,1852; #obscura Closs,1917

Range (in code): TR Arr IR Es Elb Th Mz Fa AF Ca Nu Bsg Srb Slg Kab Sfk PK Nwf Ci Gg Psu JO SY LB Bsa CY TM Kp IQ Agh AM Cc GG AZ Kir Len UZ Fe Man CN Ui Ga Kl Um Tpn Shz Mgn IN Hp KG Aa T-S TrA 06 21 22 23 25 30 33 42 46 56 58 60 63 65 76 06R 06Ra 21N 21Nb 25T 25F 30B 30Bl 30Bh 30Bd 30Bt1 30Bz 30D 30Da 33R 56F 56Fb 56Fé 56F1 56Fy 58N 58R 60C 63M 65A 65Am 65Am3 65Ai 65F 65Fc 65Fe 65Fz 65Fm 65L 65Le 76A 76Aa

288. *Sphingonaepiopsis gorgoniades* (Hübner,[1819])

Synonym(s): gorgon Esper,[1804] nec Cr.,1777; gorgoniades Hübner,[1819]; chloroptera von Mentzer,1974.

Range (in code): HV RO AL GR BG UA Cm RU Ur Or MK Skj AM GG Cc TR LB Bsa IR Ab Ak Elb Th Kh Lo IQ Hjo AF Kab JO IL Pa KK KG TJ UZ Fe Man 05 13 16 30 33 36 46 50 56 60 65 13F 13G 13Gs 13Gw 16A 30D 30Df 33G 36D 36Db 46L 56F 56Fg 60C 65A 65Am 65Am1 65D 65Dg 65Fz 65N 65Np 65Np1 65Np2 65Nm

Thyatiridae

289. *Tethea or* ([Denis & Schiffermüller],1775)

Synonym(s): #or [Denis & Schiffermüller],1775; gammagraecum Retzius,1783; consobrina Borkhausen,1790; gemina Beckwith,1794 nec Vill.,1789; terrosa Graeser,1888; graelica Kane,1894; fasciata Spuler,1908; obscura Spuler,1908; marginata Warnecke,1911; nigrescens Werny,[1967]

Range (in code): ES FR IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU BG GR TR Cc GG Bjo Smt Lag AM AZ Kir DK NO SE FI EE LV LT RU MD UA BY Sb Am Us KG CN İi Ui 13 14 24 25 36 46 55 56 60 61 13F 13F35 13G 13Gs 13Gg 14B 14Bb 25D 36D 36F 55H 56F 56F3 56Fa 56Fv 60C

Tineidae

290. *Hapsifera luridella* Zeller,1847

Synonym(s): luridella Zeller,1847; eburnea Butler,1881; palaestinensis Rebel,1901; baliopsamma Meyrick,1921; torulosa Turati,1919; cyrenaicensis Turati,1924; pustulatella Lucas,1942 nec Zell.,1852; kerbelella Amsel,1949; asiatica Amsel,1949; susaella Amsel,1959

Range (in code): MA TN LY Cy EG MK BG GR Nx Cr TR CY LB Bei IL Pa Hf Js JO IQ Kbl Hjo Sqw Bgd SA YE IR Ab Oru Kz Ahz Yas Km Sdt Mak Ak Hz Bu Fa Shr Ss Ke Jrf Kaz Das Snj Kd Es Th Kdj Qz Gh Elb Dam UZ Smk Br TJ PK Krc AF Srb BH Cc GG Lag AM AZ Kir Nv Ord SY Dms 01 05 06 16 21 22 27 30 31 42 46 47 56 65 71 73 76 01K 05A 06R 21L 21N 21Nh 27B 30B 30Bc 30Bz 30D 30Df 31A 31M 46G 47D 56F 56Fb 56Fs 56Fs1 65D 65N 65Np2 65Np6 65Nm 71B 71D 73D 73Df 73Dfc 76B 76Bb 76C

Tortricidae**291. *Aethes tesserana* ([Denis & Schiffermüller], 1775) (Fig. 21; Map 26)**

Synonym(s): *tesserana* [Denis & Schiffermüller], 1775; *alella* Sulzer, 1776; *heiserana* Fabricius, 1787; *groendaliana* Thunberg, 1791.

Range (in code): PT ES FR Co Sa Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU HV ME Ctn MK AL BG GR TR SY Hal LB DK SE FI EE LV LT RU Tt Pr IR Elb 05 06 16 30 36 40 60 65 05A 06F 16A 30B 30Bc 30Be5 30Bz 36D 36Db 60C 65A 65Am 65Am3 65At 65At5 65D 65Dd 65Dda 65Dl 65Dn 65F 65Fd 65Fp 65Fz 65N 65Np2 65Np5 65Nm

292. *Cydia pomonella* (Linnaeus, 1758)

Synonym(s): *pomonella* Linnaeus, 1758; *pomona* Fabricius, 1775; *pomonana* [Denis & Schiffermüller], 1775; *nitens* Fourcroy, 1785; *aeneana* De Villers, 1789; *putaminana* Staudinger, 1859; *simpsonii* Busck, 1903; *glaphyrana* Rebel, 1941

Range (in code): DZ Cst Btina PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr CY TR DK NO SE FI EE LV LT RU MD UA BY IL Pa IR Gh Tgo Ss Irs Cc Fa Shr GG AZ Len Da LB Bsa SY Hal Ch PK Bl Qu KG Db Kdy Ui Ku Kl US MX CA AU NZ ZA 01 05 08 13 16 24 25 27 30 32 34 36 42 45 46 51 52 65 71 76 01K 05A 13F 13F71 16A 30D 30Df 65A 65Ac 65Ac3 65L 65Le 65N 65Nc 65Np 65Nm 76D 76Da



Fig. 21 – *Aethes tesserana*, at rest. NE Turkey, Kars Pr., Akçay 1200m, 2.vii.2010, M. Kemal (Cesa)

293. *Epiblema foenellum* (Linnaeus, 1758)

Synonym(s): *foenella* Linnaeus, 1758; *hohenwartiana* Scopoli, 1772; *scopoliana* [Denis & Schiffermüller], 1775; *pflugiana* Fabricius, 1787; *tibialana* Hübner, [1793]; *interrogationana* Donovan, 1793; *clavigerana* Walker, 1863; *sinicana* Walker, 1863

Range (in code): ES FR IT GB BE NL LU DE CH AT PL CZ SK HU RO BG GR TR DK NO SE FI EE LV LT RU Ur Sb Am Prj Us MD UA BY Cc GG KG KK CN Mc Sz Ui Yu Fkn Jn Hpe MN KP KR JP Hkk Sh Krl IN TW TH CMa Agk VN 16 36 65 75 36D 36Dd 65F 65Fp 65Fz 75F 75Fd

294. *Eugnosta lathoniana* (Hübner, [1800])

Synonym(s): *lathoniana* Hübner, [1800]

Range (in code): DZ PT ES Abr FR AT SK HU RO YU HV MK BG GR Pl TR Cc GG Smt Akh AM Eri RU Ao Ur Sr St Tt UA Cm KG Uk IR Ab Mak Khy Ar Ak Aha 06 13 16 31 34 36 42 51 58 70 06R 13A 13Ab 13Ac 13Ac2 13Ax 16A 31M 34H 36D 36Db 42K 42R 51B 51Ba 58G 70C 70Ca

295. *Olethreutes* (s.str.) *arcuana* (Linnaeus, 1761)

Synonym(s): *#arcuella* Clerck, 1759; *arcuana* Linnaeus, 1761; *lambergiana* Scopoli, 1763.

Range (in code): ES FR Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR DK NO SE FI EE LV LT RU MD UA BY Cc AM GG IR KG KP KR CN JP 06 14 16 34 36 52 75 76 81 06R 06Ri 16A 36D 36Db 75F 76D 76Dd

Zygaenidae**296. *Jordanita (s.str.) chloros* (Hübner, [1813])**

Synonym(s): *chloros* Hübner, [1813]; *sepium* Boisduval, 1834; *minor* Eversmann, 1844; *haegeri* Alberti, 1973

Range (in code): FR IT DE CH AT CZ SK HU RO YU Ko AL MK BG GR TR RU Kis Pja Kis MD UA Cm Cc SY IQ IR 05 06 16 23 24 25 30 42 69 76 05A 06R 06Rb 76C 76D 76Da

Remarks: The male genitalia (GP2744) of this species was illustrated by the authors from Gaziler (76Da) (Kemal & Koçak, 2019). A molecular comparison of this species was made by Kızıldağ & Kemal (2019).

297. *Zygaena (Agrumenia) loti* ([Denis & Schiffermüller], 1775)

Synonym(s): *loti* [Denis & Schiffermüller], 1775; *fulvia* Fabricius, 1777

Range (in code): ES FR IT GB BE LU DE CH AT PL CZ SK HU RO YU HV B-H MK AL BG Slv GR TR IR GG Sva Sok Abk Aba Cc AM Eri AZ Nv RU Kb Teb Da Kis MD UA Cm BY 04 05 06 08 12 13 14 18 22 23 25 26 28 29 30 31 32 36 37 38 42 44 46 49 53 58 60 62 65 69 71 75 76 78 05A 06C 06Cb 06K 06Kc 06R 06Rd 06Rk 08G 12A 12Ab 14I 14Ib 23I 32C 36D 36Dd 36F 36Fa 44A 44Ab 46F 46Fd 62E 65D 65Dn 65Dt 65F 65Fb 65Fd 65Fp 65Fz 65K 65Kd 65Kg 65N 65Np1 65Np2 65Np7 65Np8 65Nr2 65Nm 75F 76C 76D 76Dd 78D 78Da

298. *Zygaena (Agrumenia) olivieri* Boisduval, 1828

Synonym(s): *olivieri* Boisduval, 1828; *cremonae* Seitz, 1907

Range (in code): TR Cc GG Akh Smt IR LB Zah Bsa Bei SY AM Alg Eri Zng AZ Nv Ord Kir 01 04 05 06 07 08 11 13 19 23 25 29 30 33 36 38 42 44 46 49 50 58 60 62 65 66 70 73 76 01K 05A 06K 06Kb 07B 07C 08H 08Hc 13G 13Gb 13Ge1 13Ge 33R 33Rb 36D 36Df 42B 42Bb 44L 46G 46L 58N 62E 65A 65Am 65Am1 65D 65Dl 65Dlc 65Do 65Doa 65F 65Fe 70B 70Bb 70C 70Ce 76C 76D 76Dd

Remarks: This species was illustrated by the authors from Kars Pr., Kağızman, Pash Pass 177Om (36Df) (Kemal & Koçak, 2010: fig. 12).

299. *Zygaena (Agrumenia) rosinae* Korb, 1903

Synonym(s): *rosinae* Korb, 1903

Range (in code): TR Cc AM Alg AZ Nv IR Elb Mz Bl Ke 36 76 36D 76D

Remarks: Korb (1903) described this species from Gaziler (=Kulp). However, no specimen was obtained by us so far.

300. *Zygaena (Mesembrynus) cambysea* Lederer, 1870

Synonym(s): *cambysea* Lederer, 1870

Range (in code): Cc TR AM Eri AZ Ist IR Mz Th Elb Fa Sse Gor IQ 04 05 13 25 30 58 62 65 73 76 13A 13Ab 13Ax 30D 30De 65B 65Bo 65Bx 65D 65Dç 65Dd 65Dda 65F 65Fg 65Fp 65Fz 65K 65Ké 65Kg 65N 65Np1 65Np2 65Nm 76D 76Dd

301. *Zygaena (Mesembrynus) minos* ([Denis & Schiffermüller], 1775)

Synonym(s): *minos* [Denis & Schiffermüller], 1775.

Range (in code): FR IT DE CH AT PL CZ SK HU RO YU AL BG GR TR SY Hal GG AZ Len Cc AM Alg DK SE FI EE LV LT RU Sr Da IR Elb GlS TM Kp 01 06 07 10 13 23 24 31 32 33 36 42 44 48 53 58 60 61 65 66 75 01K 06C 06Cb 06K 06Kb 06R 06Rk 07A 07Ag 07B 13G 31M 36D 36Db 36Dc 36F 75A 75Ab

302. *Zygaena (s.str.) filipendulae* (Linnaeus, 1758)

Synonym(s): *filipendulae* Linnaeus, 1758; *aries* Retzius, 1783; *ramburi* Herrich-Schäffer, 1861; *mersina* Herrich-Schäffer, 1861; *gurda* Lederer, 1861; *rosa* Oberthür, 1909

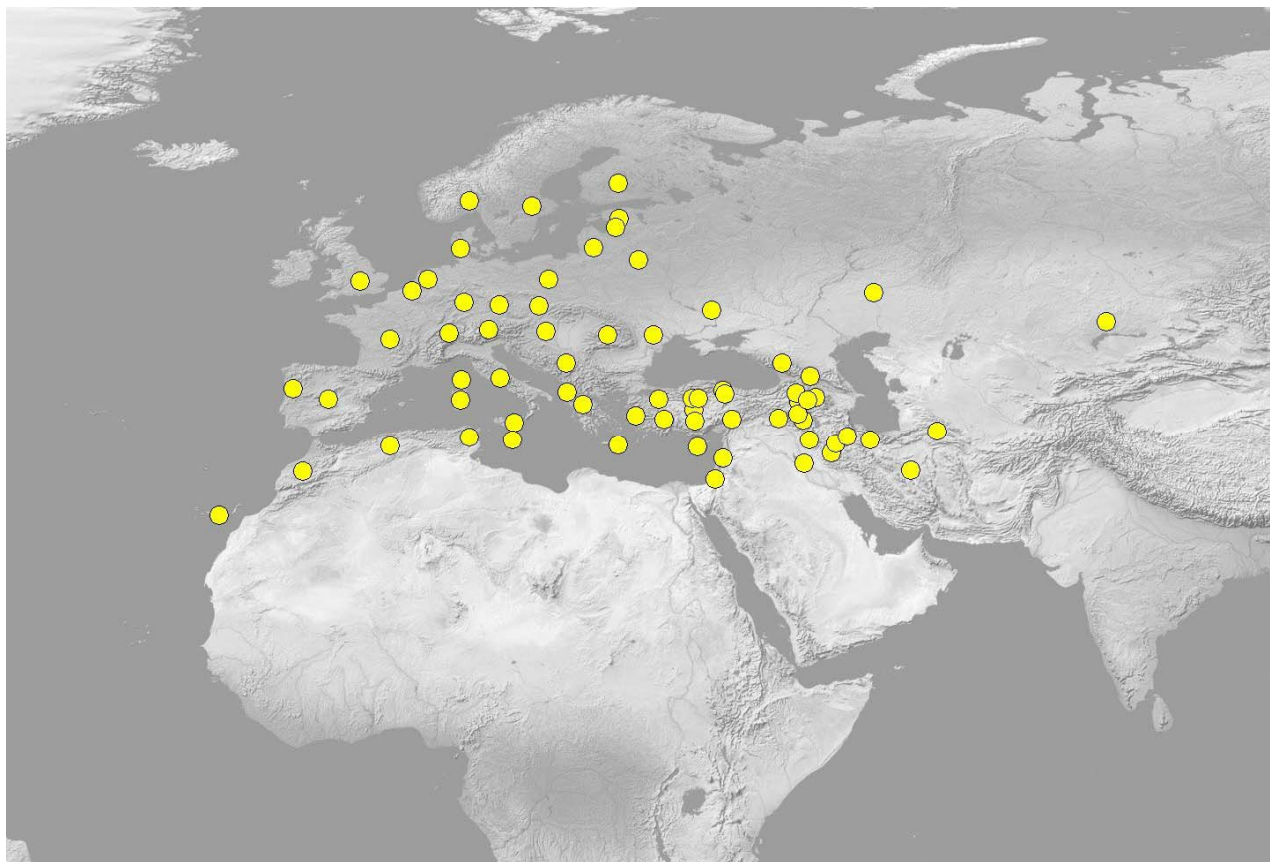
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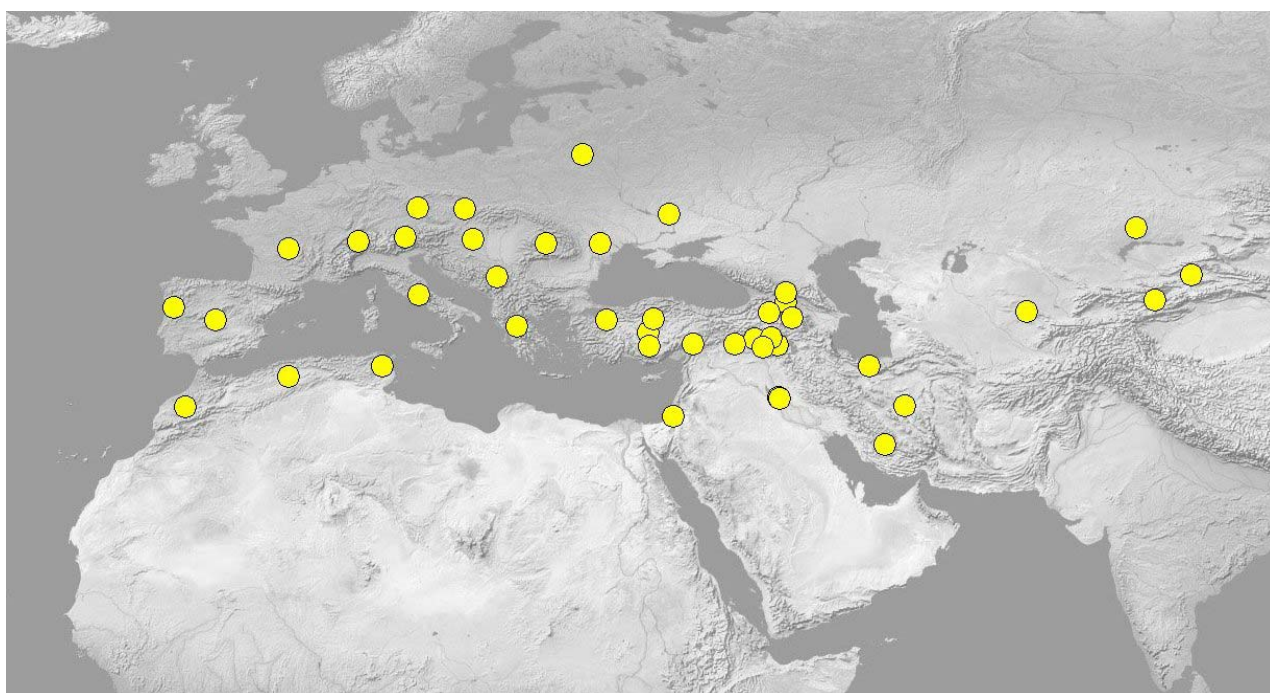
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Maps

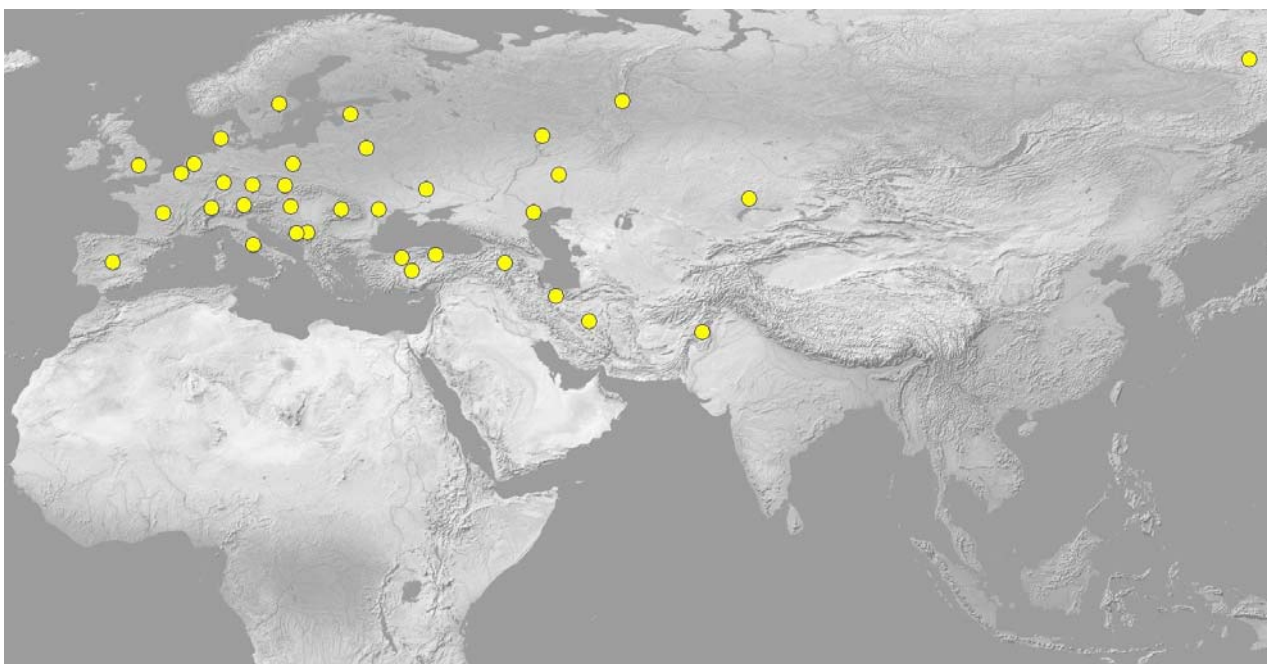
Following world maps of the species are based upon the Info-system of the Cesa, and prepared for this paper, by using some of the range codes mentioned.



Map 2 – *Ethmia bipunctella* (Ethmiidae).



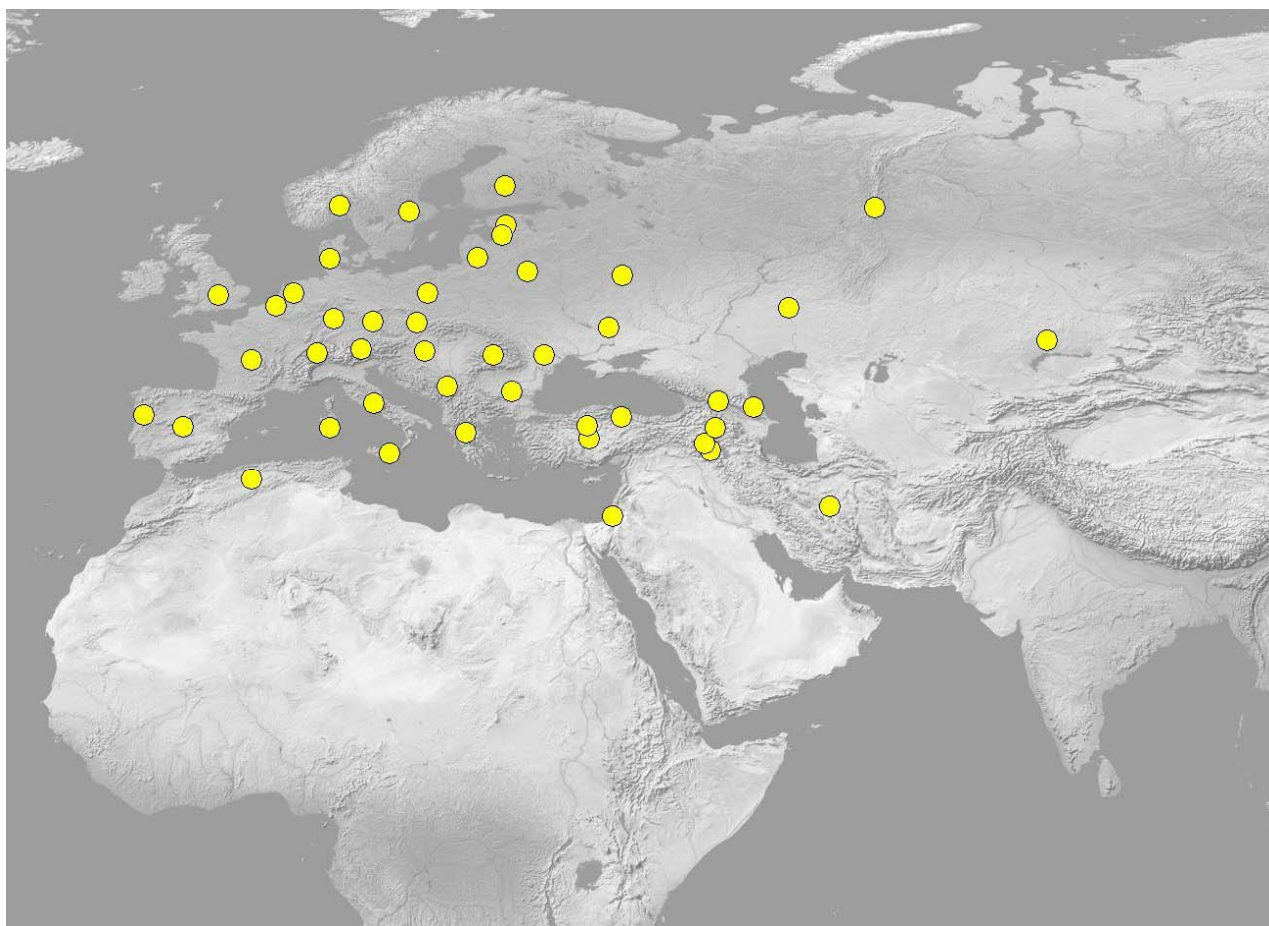
Map 3 – *Ethmia candidella* (Ethmiidae).



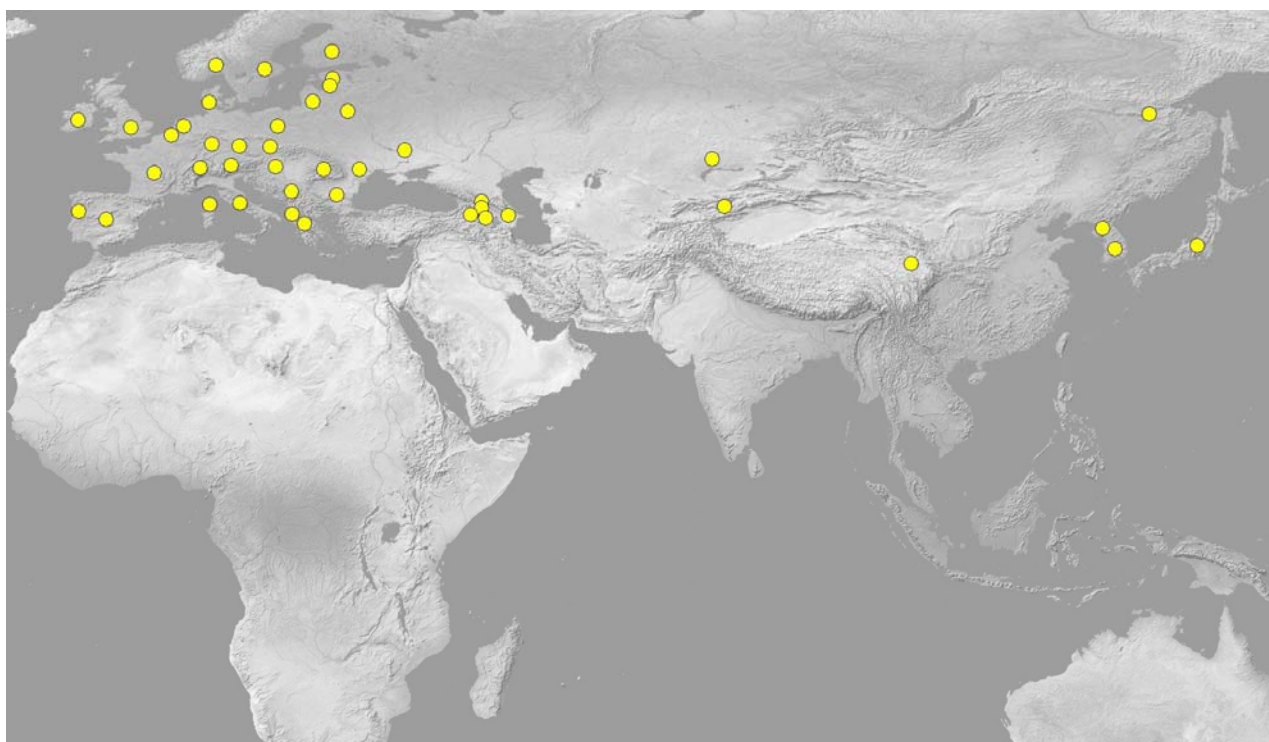
Map 4 – *Ethmia dodecea* (Ethmiidae).



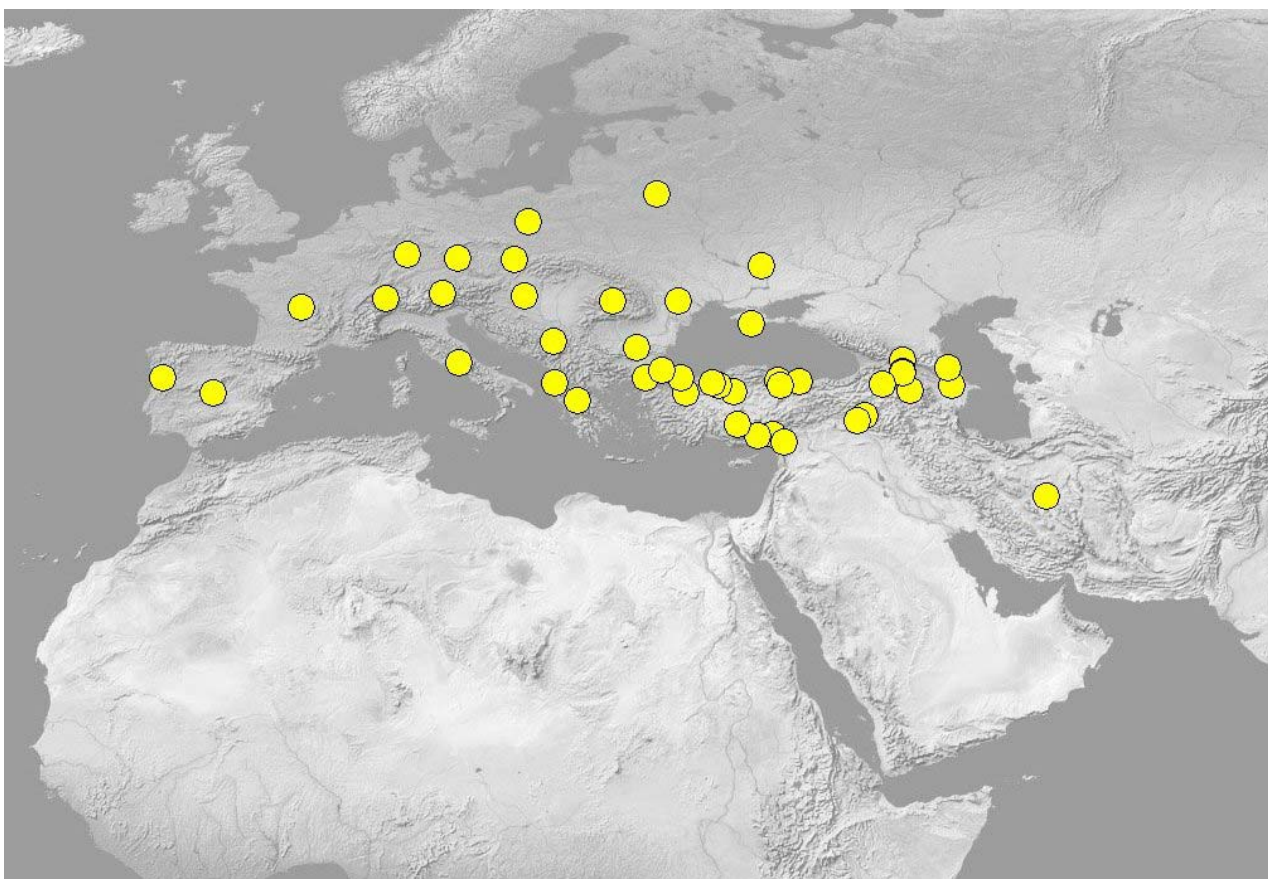
Map 5 – *Mirificarma eburnella* (Gelechiidae).



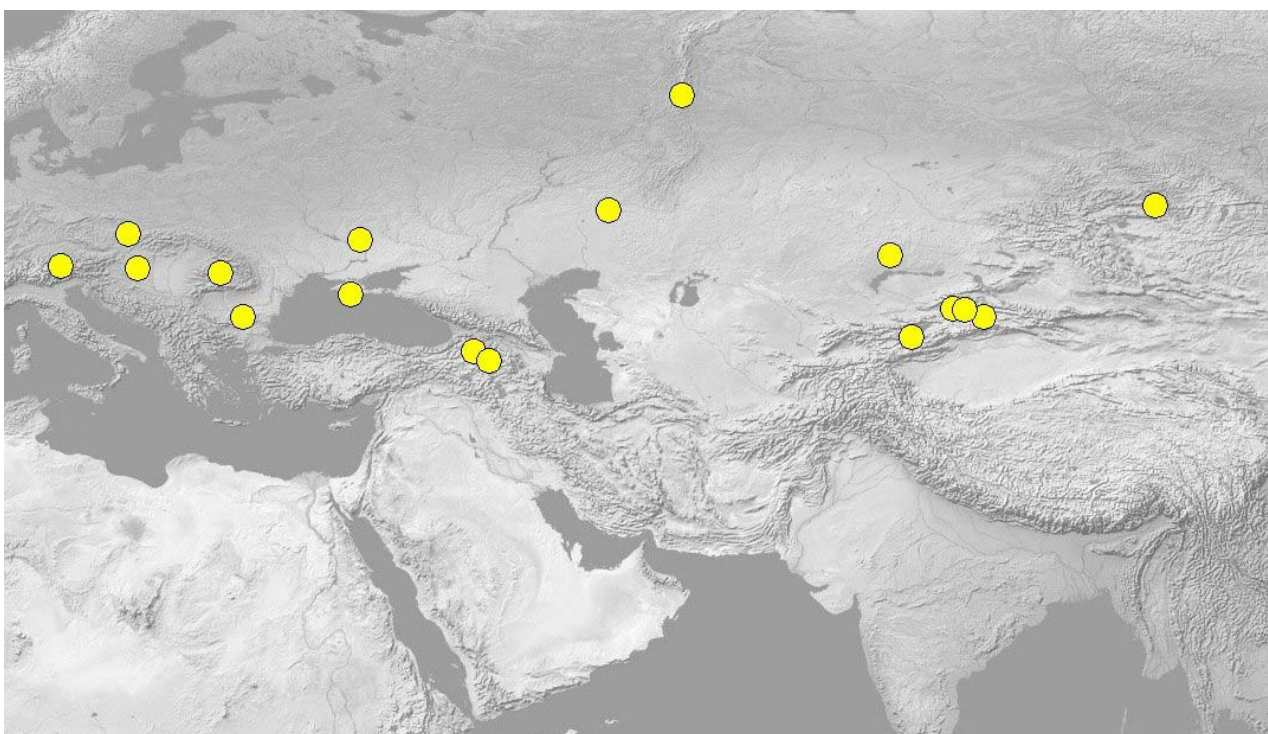
Map 6 – *Pexicopia malvella* (Gelechiidae).



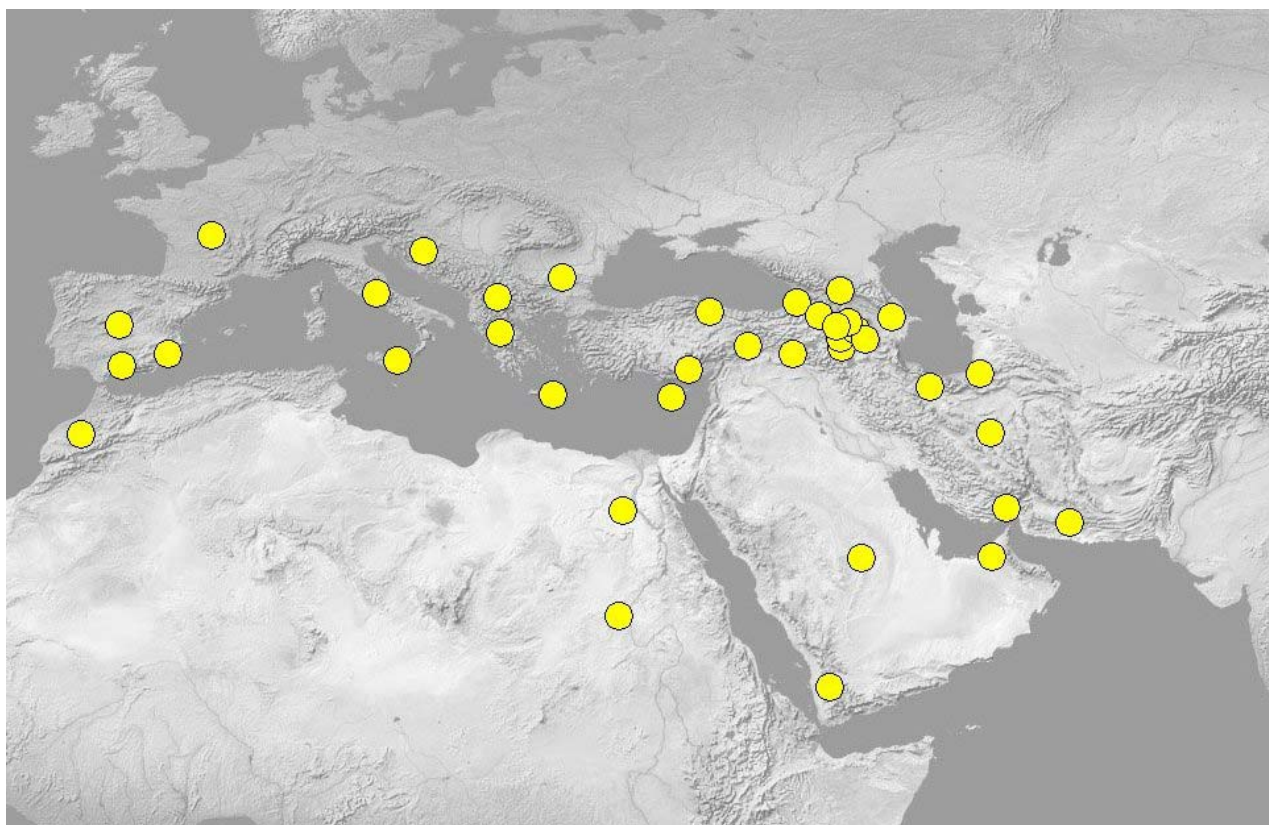
Map 7 – *Abraxas grossulariata* (Geometridae).



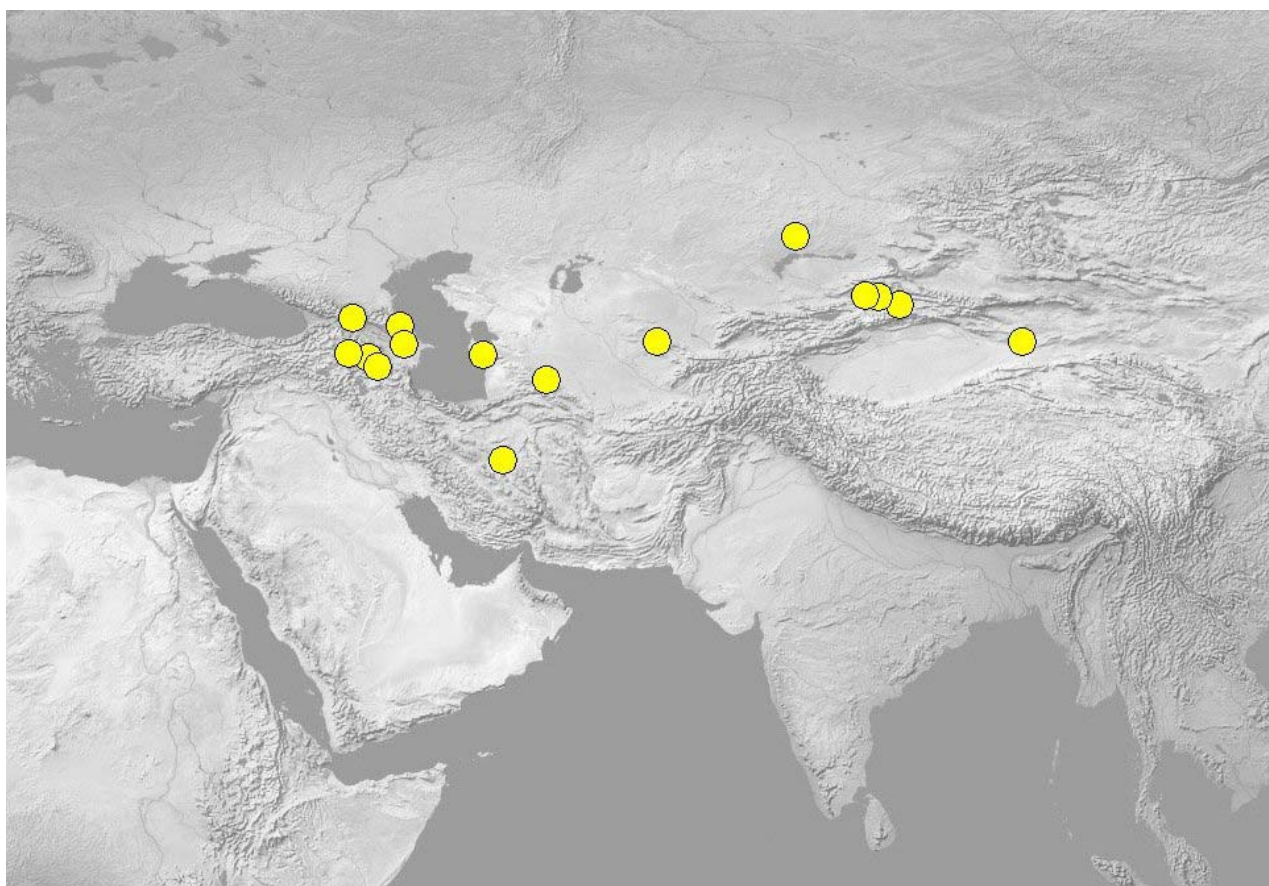
Map 8 – *Idaea moniliata* (Geometridae).



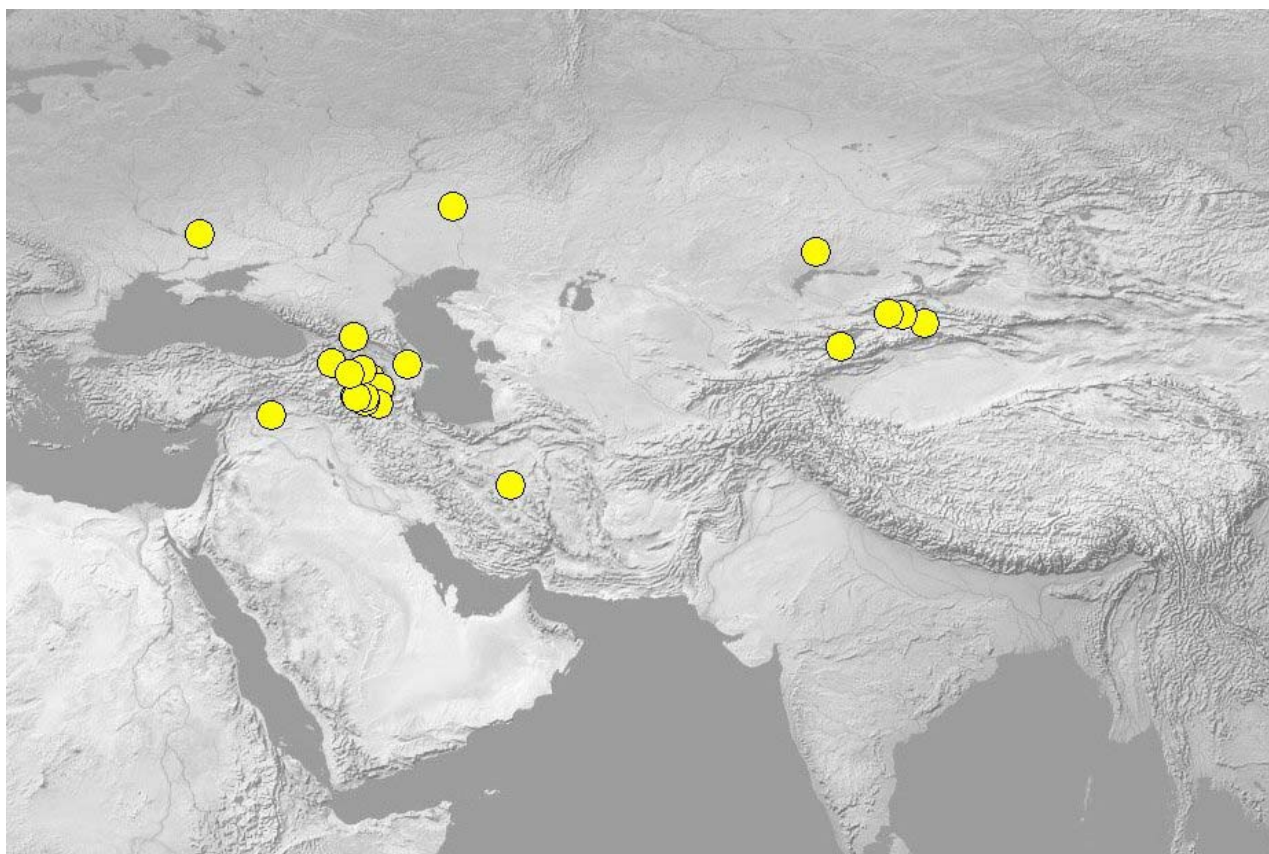
Map 9 – *Narraga tessularia* (Geometridae).



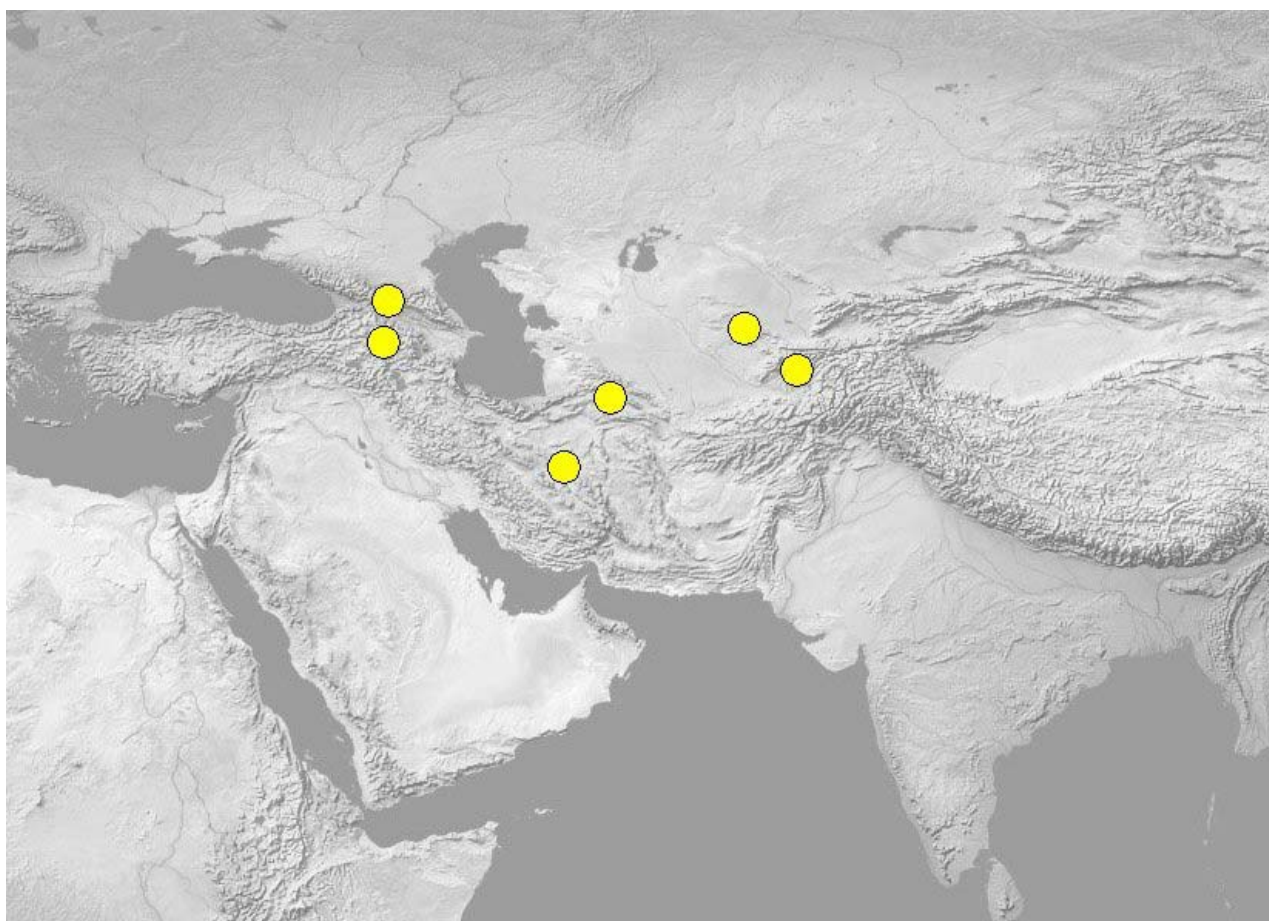
Map 10 – *Antarchaea conicephala* (Noctuidae).



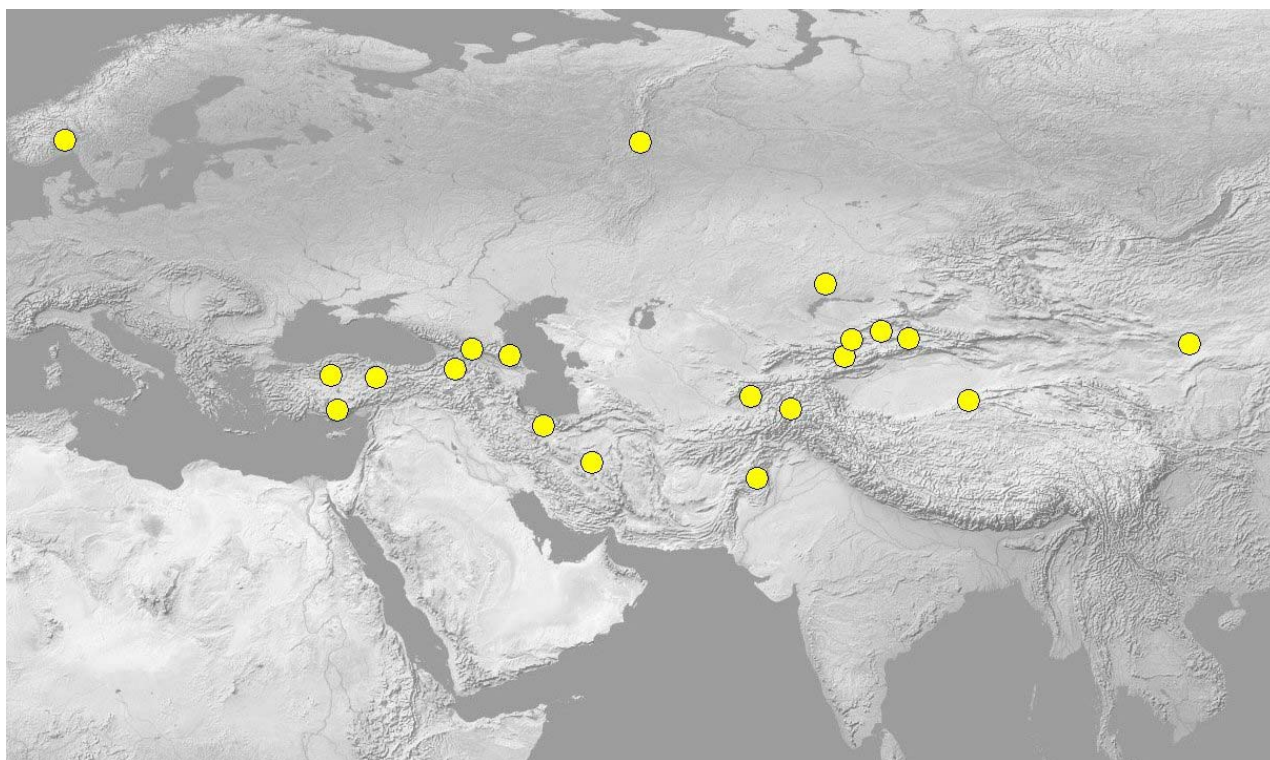
Map 11 – *Drasteria picta* (Noctuidae).



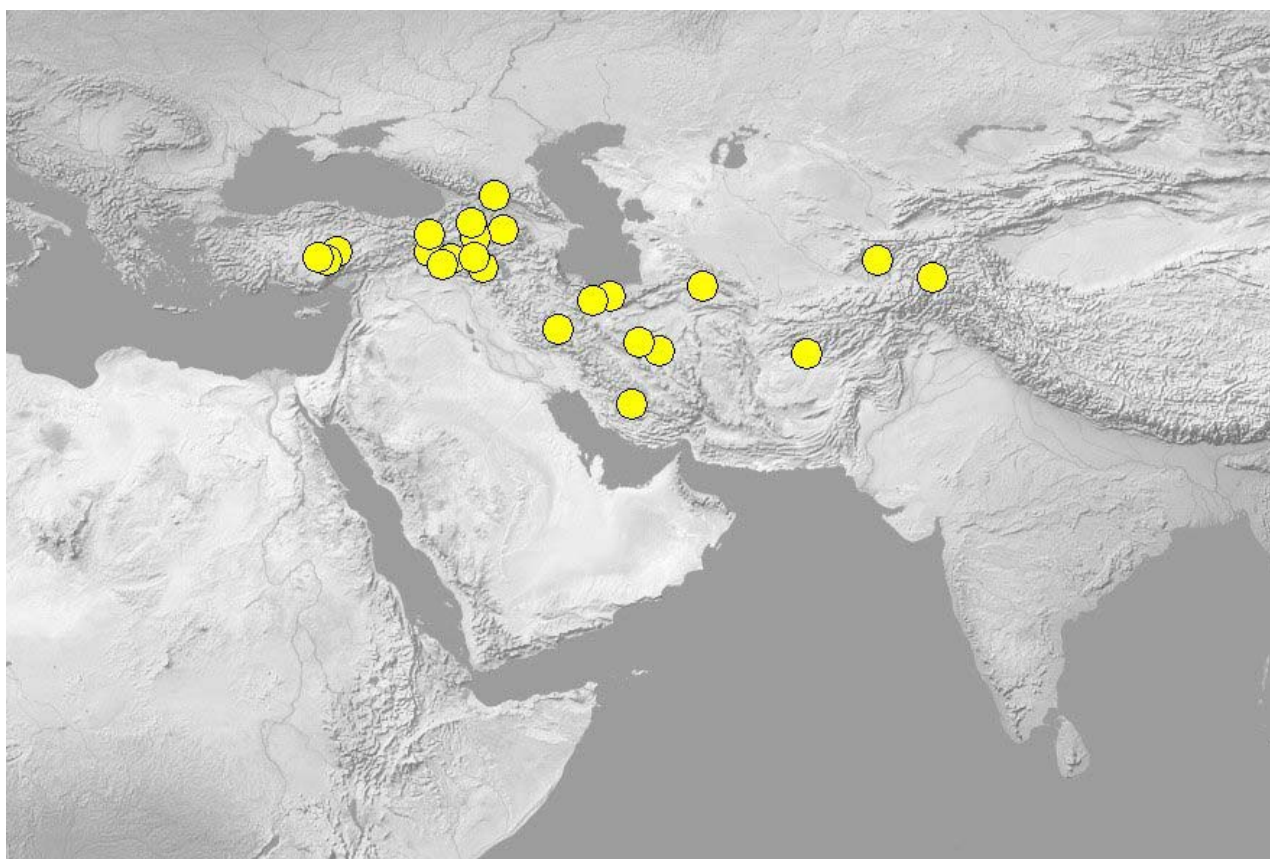
Map 12 – *Drasteria rada* (Noctuidae).



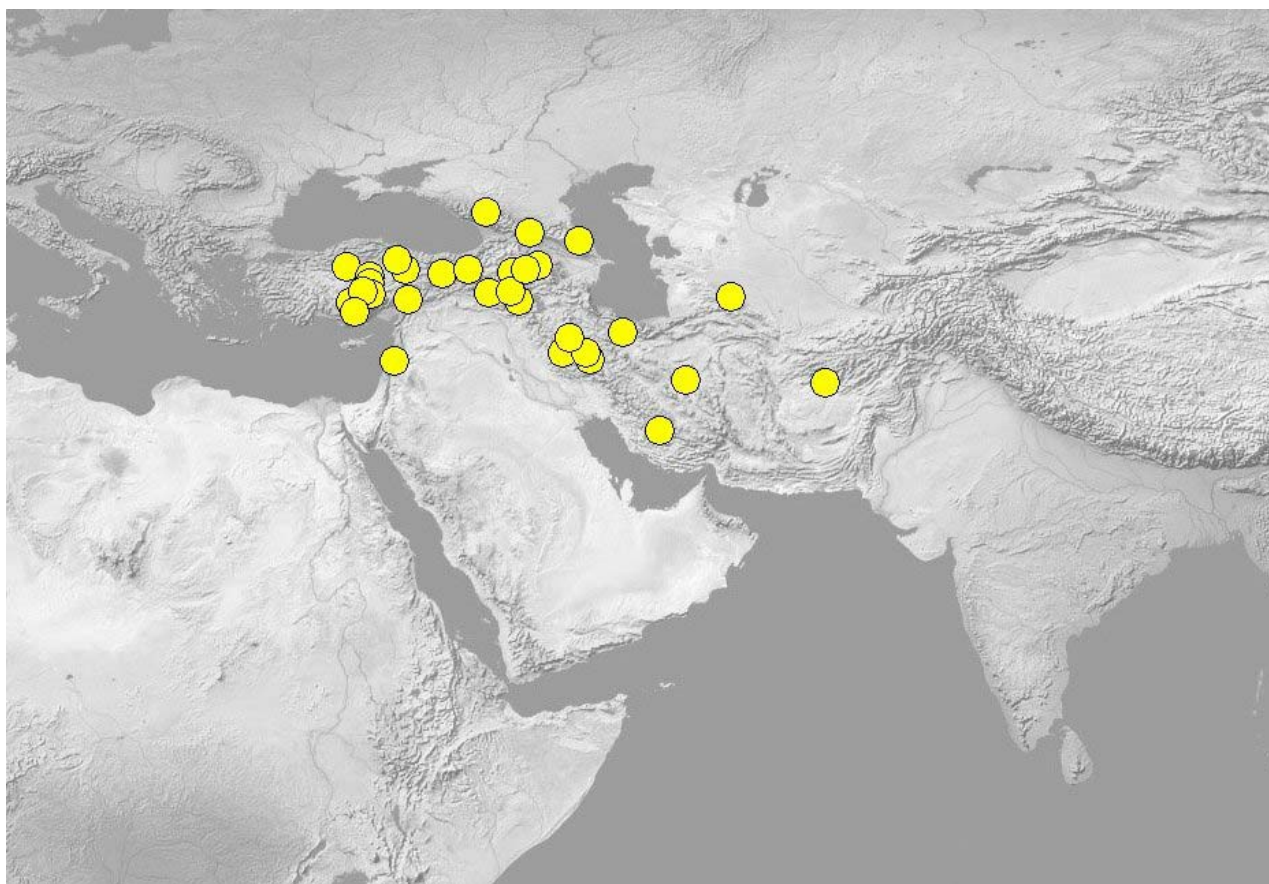
Map 13 – *Epipsammia cretacea* (Noctuidae).



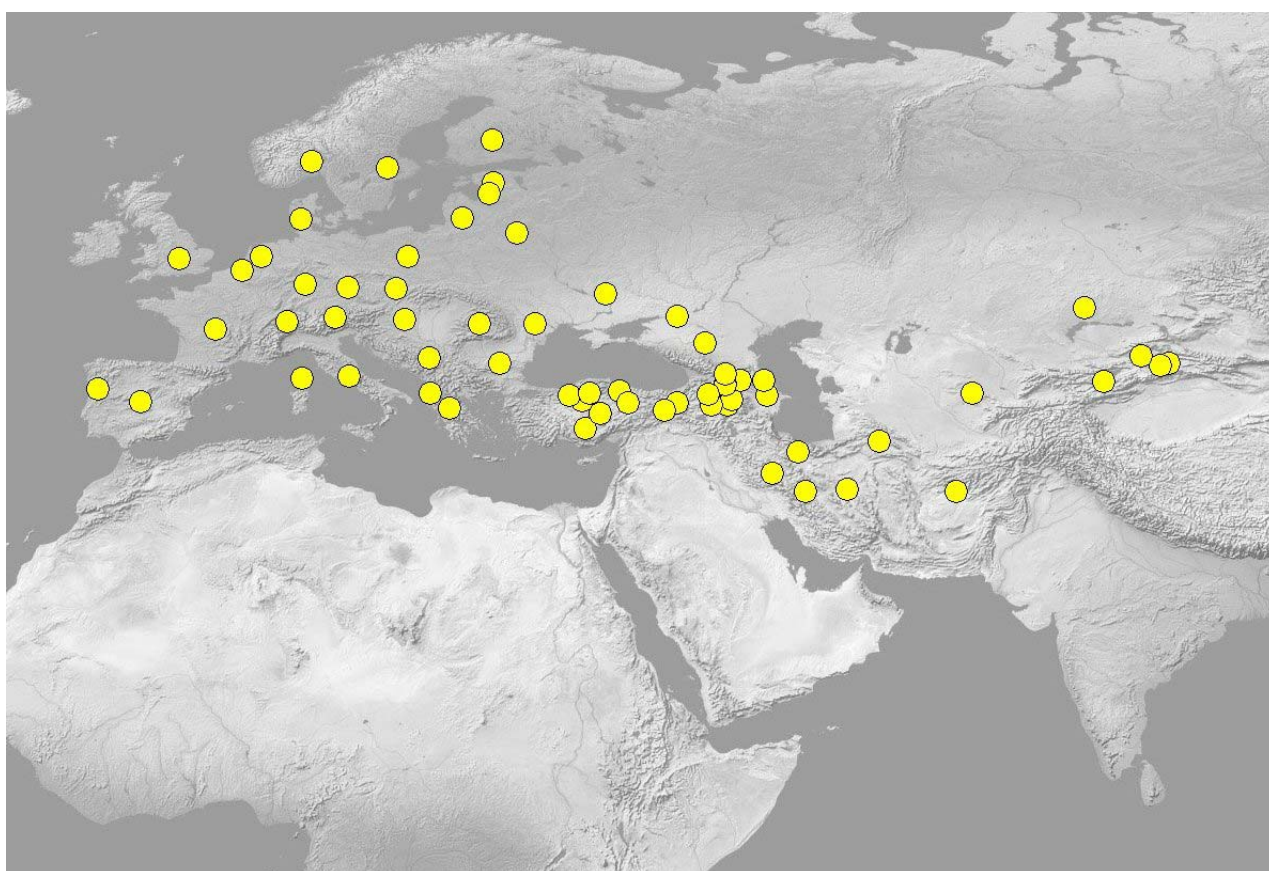
Map 14 – *Euxoa adumbrata* (Noctuidae).



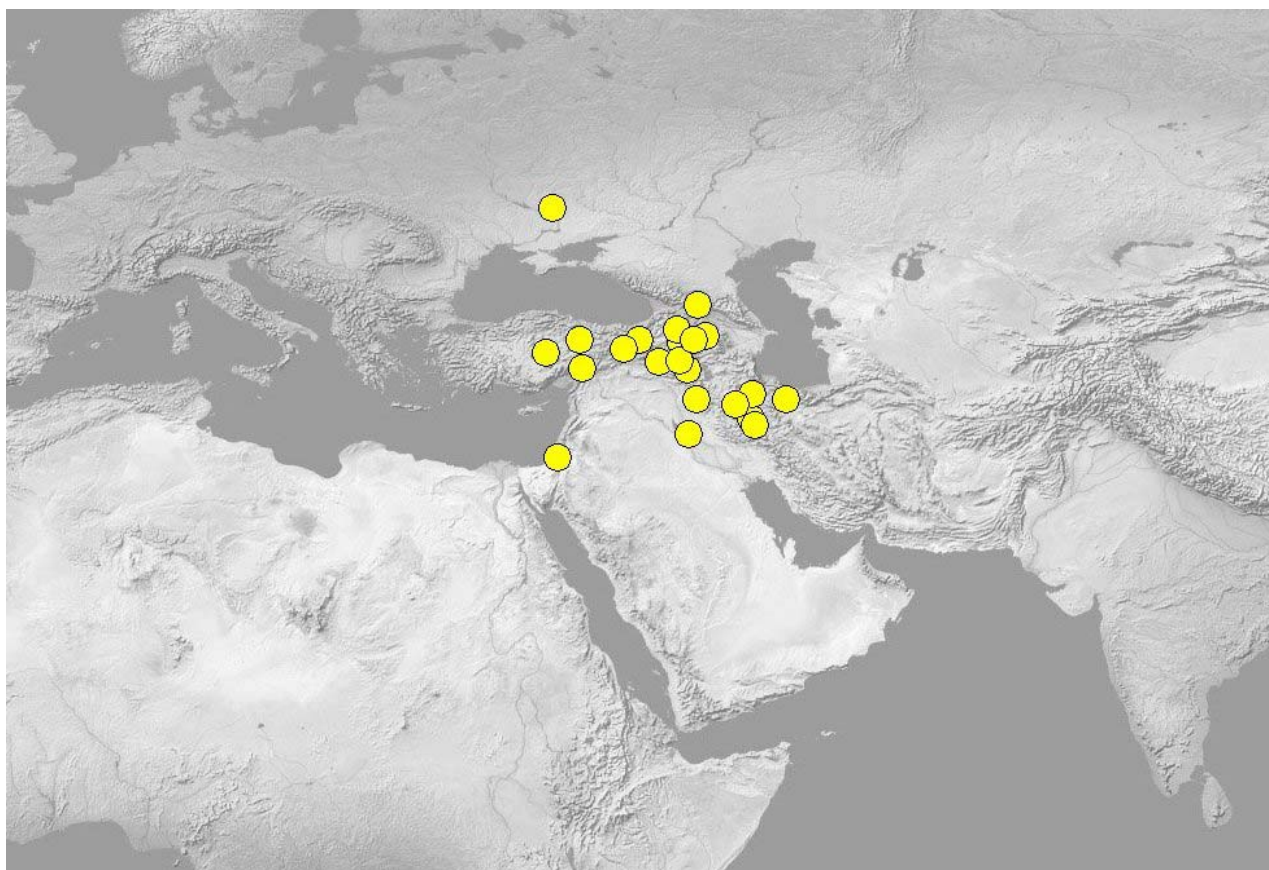
Map 15 – *Euxoa difficillima* (Noctuidae).



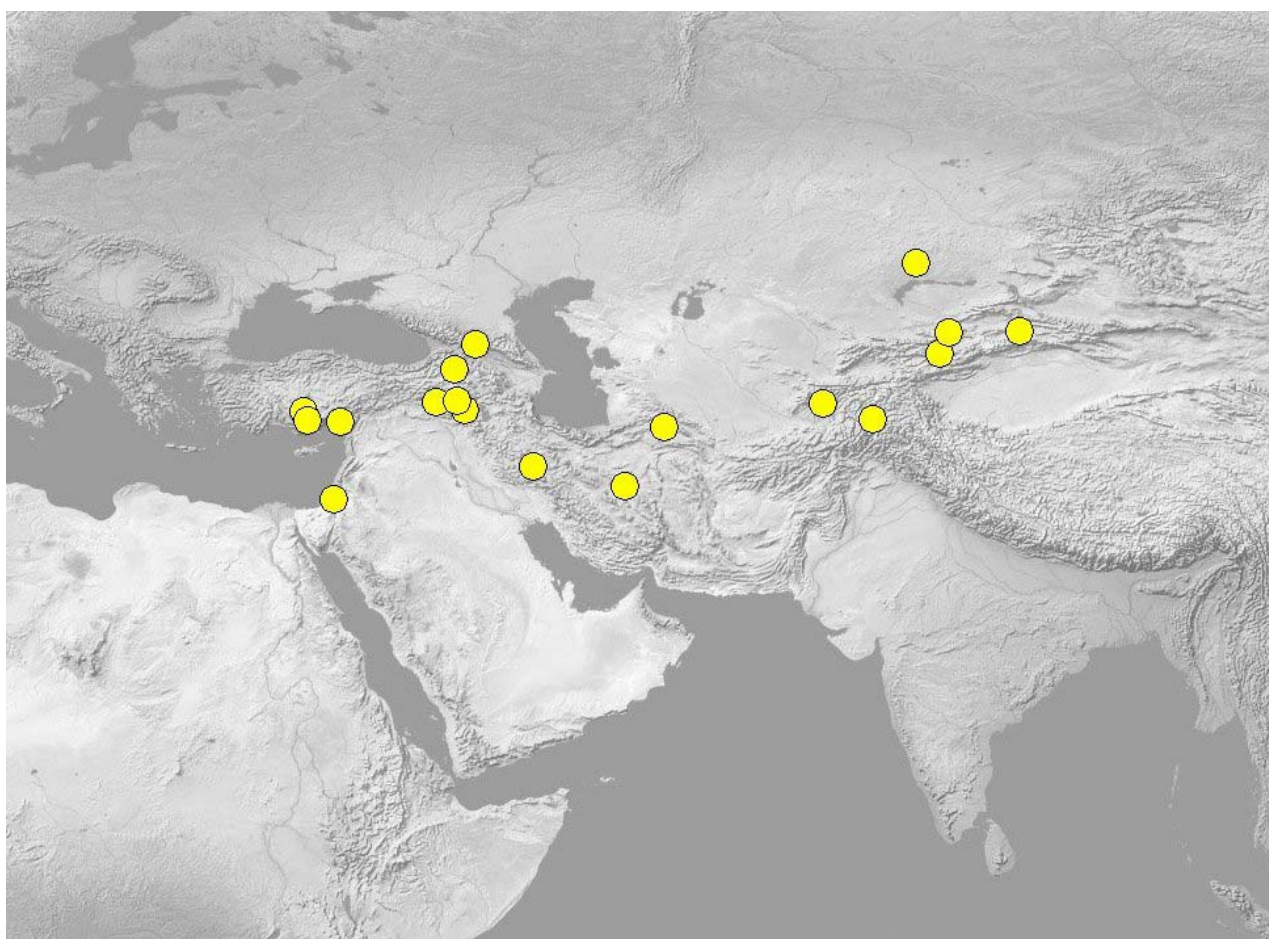
Map 16 – *Euxoa heringi* (Noctuidae).



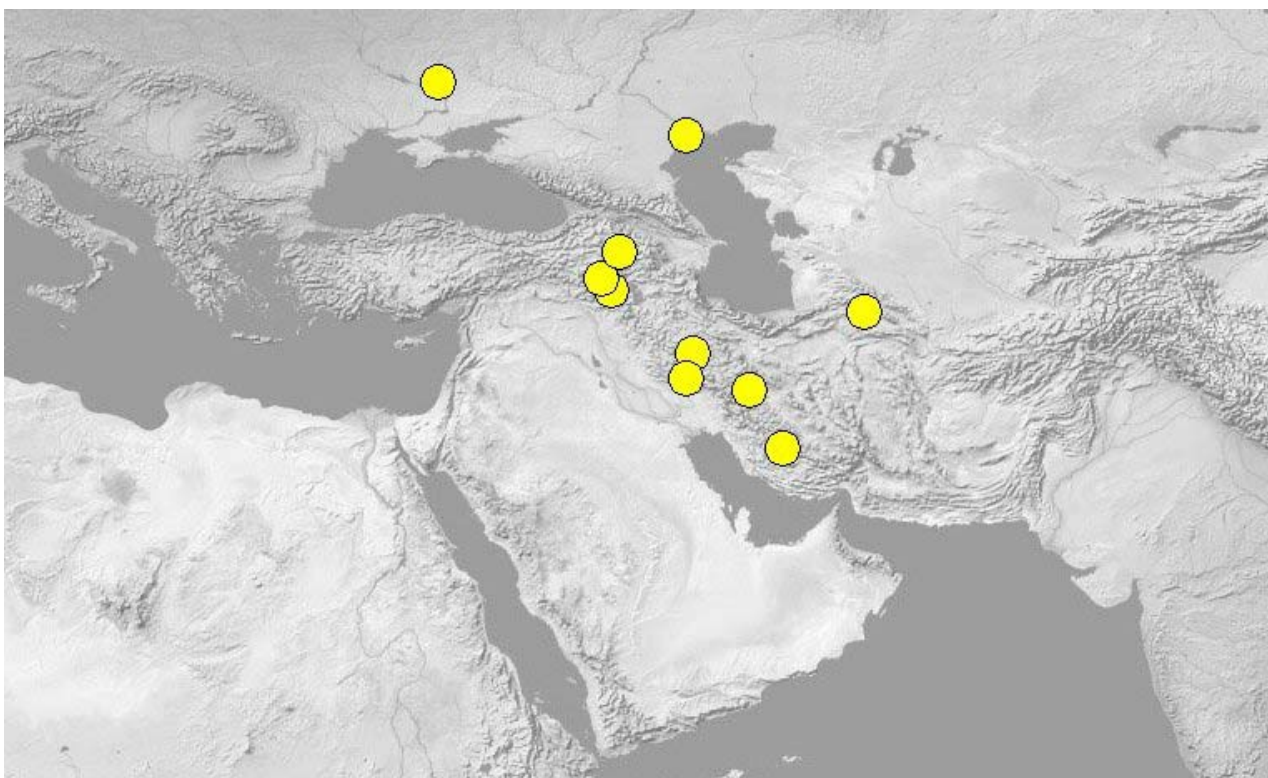
Map 17 – *Spaelotis ravida* (Noctuidae).



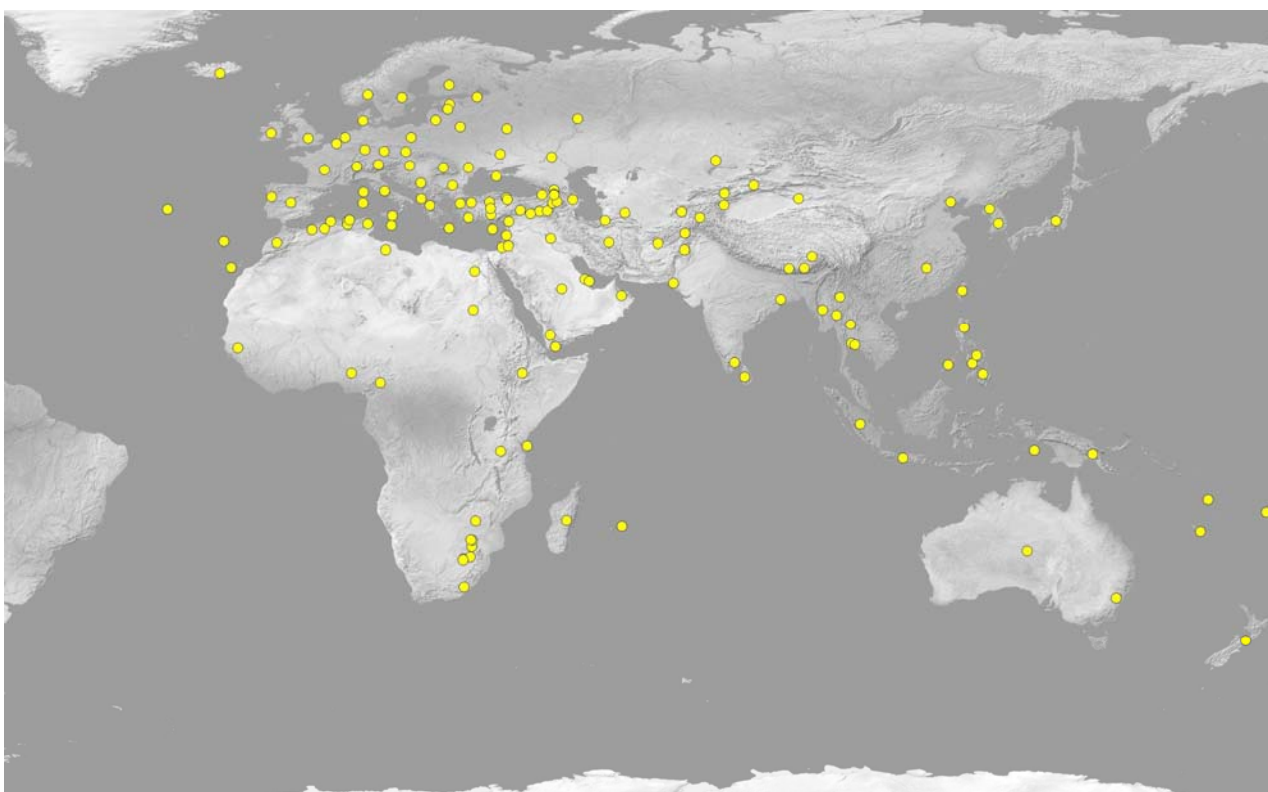
Map 18 – *Sympistis confusa* (Noctuidae).



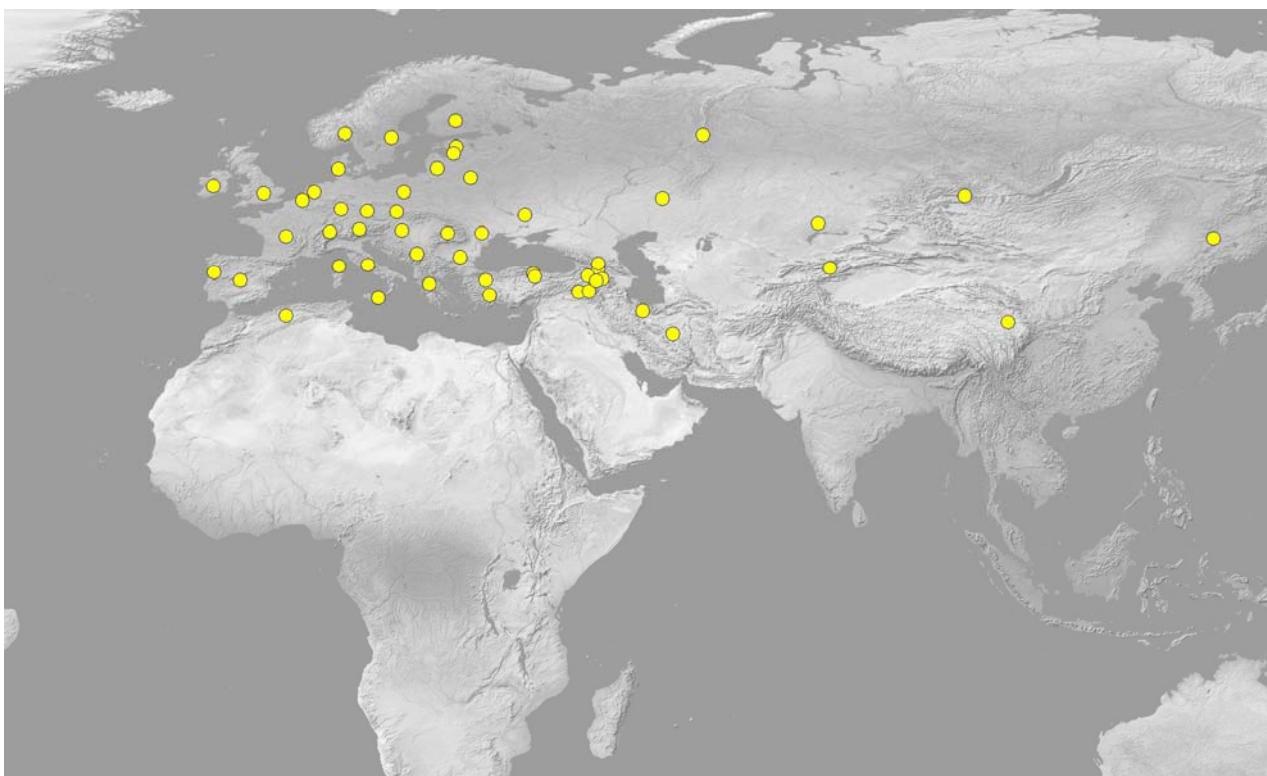
Map 19 – *Sympistis strioligera* (Noctuidae).



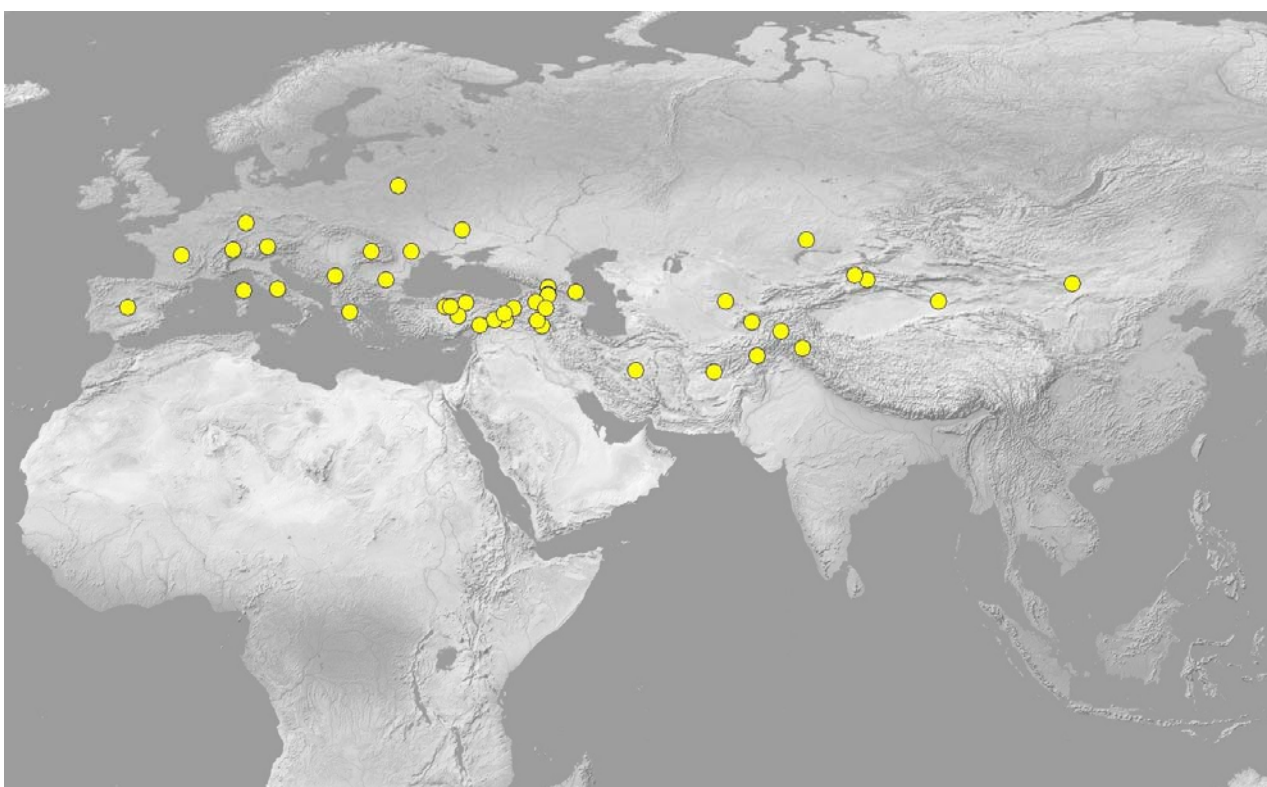
Map 20 – *Cerura intermedia* (Notodontidae).



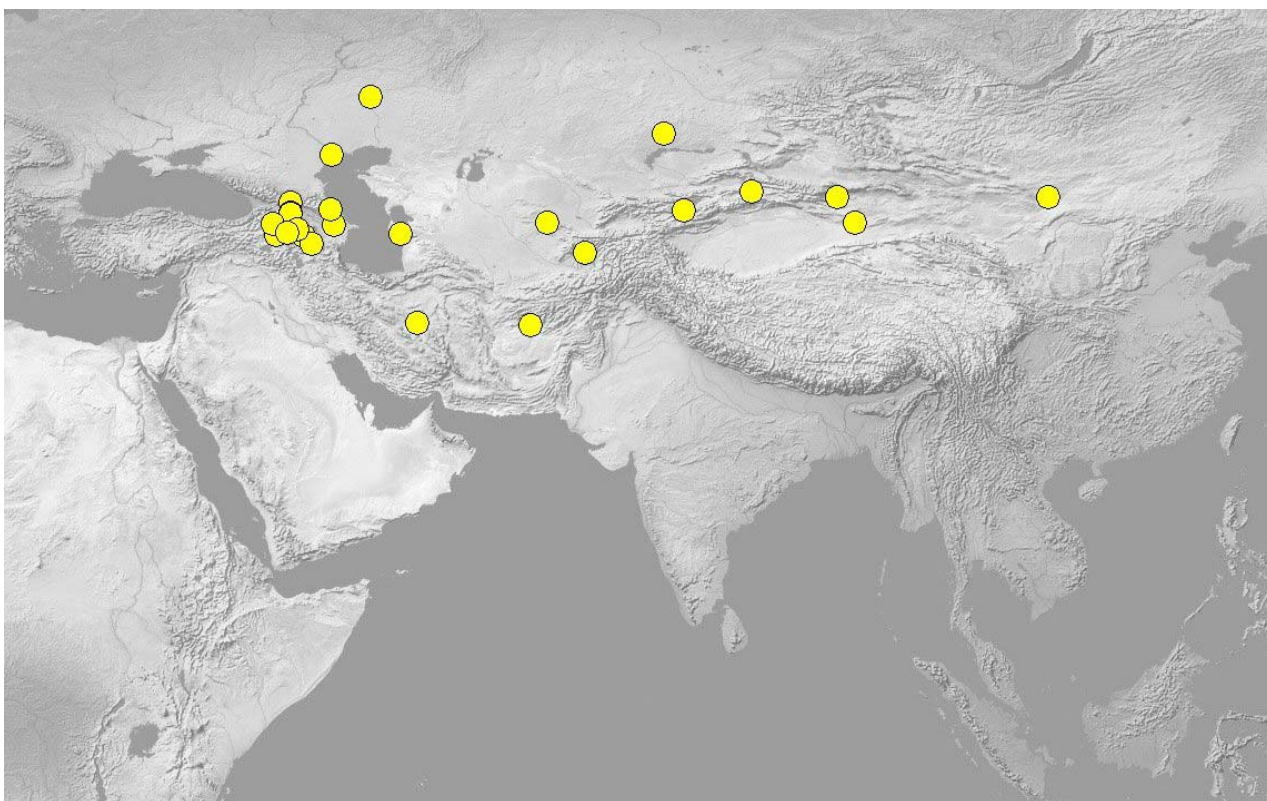
Map 21 – *Agrius convolvuli* (Sphingidae).



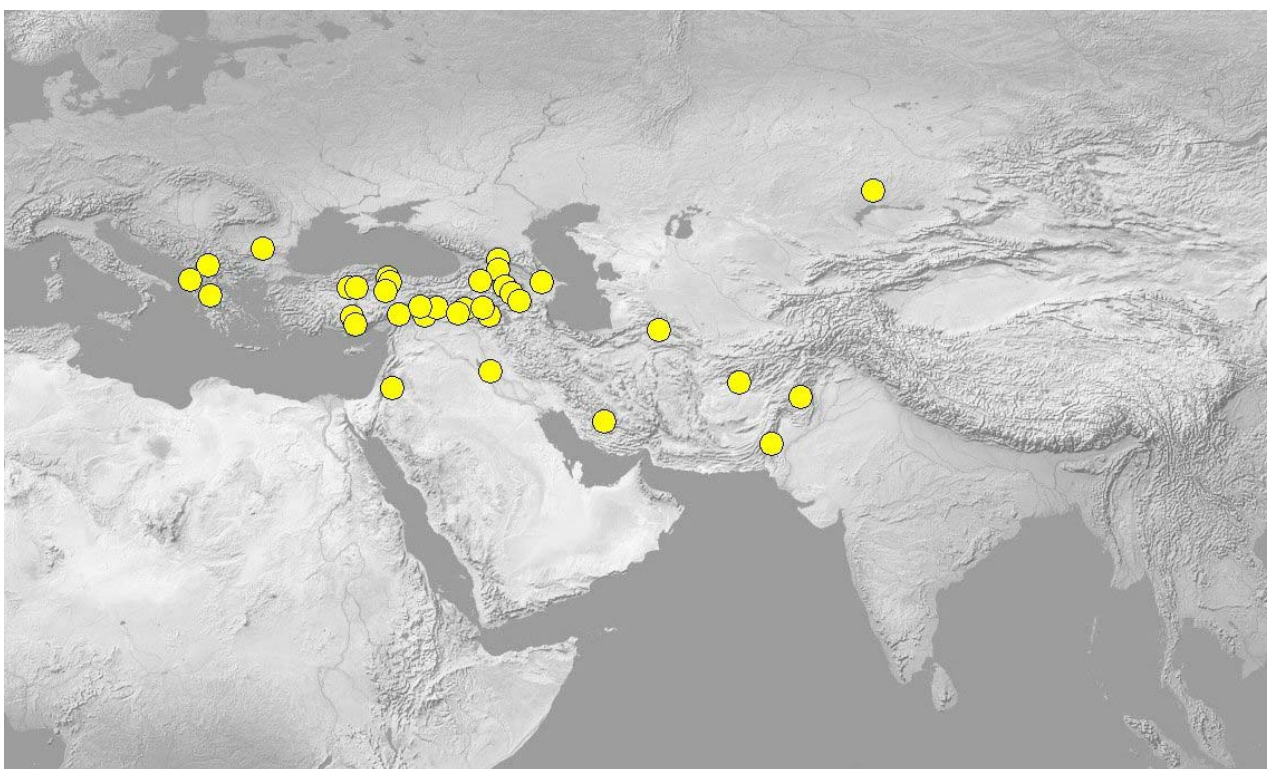
Map 22 – *Hemaris (Eitschbergera) tityus* (Sphingidae).



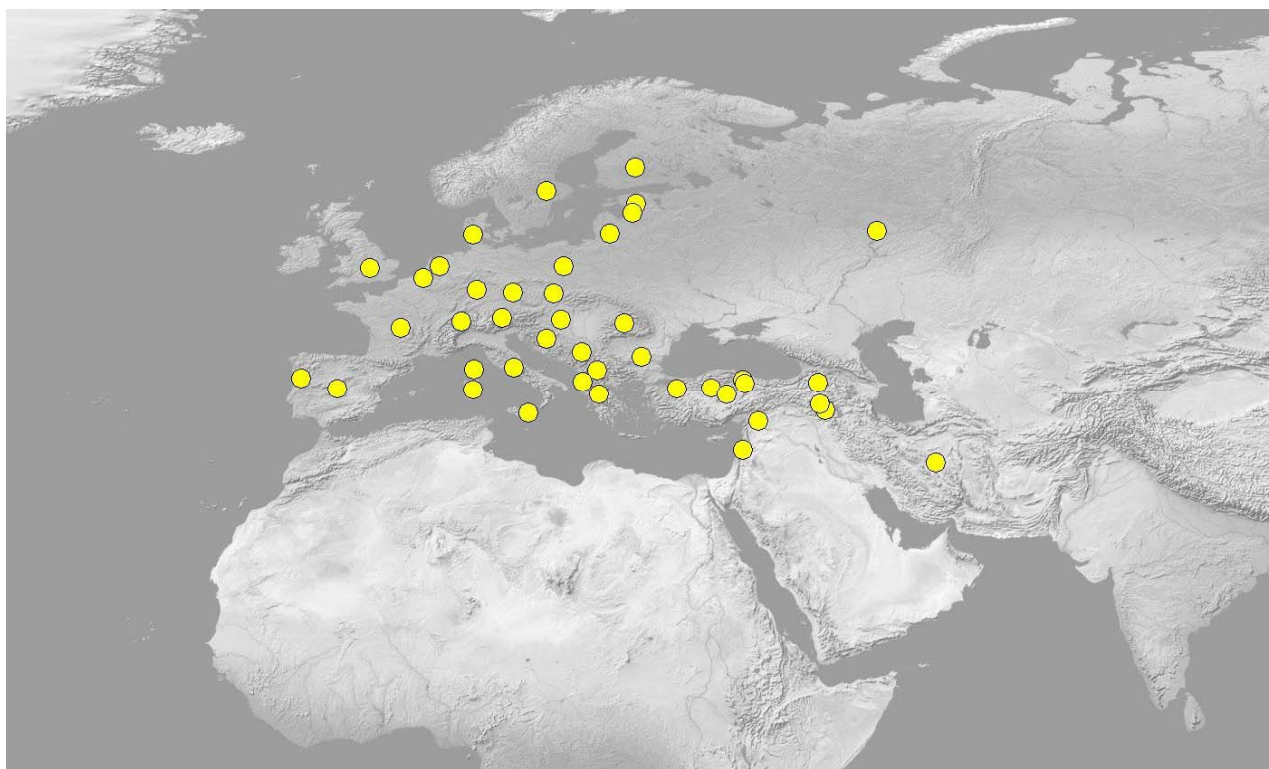
Map 23 – *Hyles hippophaes* (Sphingidae).



Map 24 – *Hyles zygophylli* (Sphingidae).



Map 25 – *Rethera komarovi* (Sphingidae).



Map 26– *Aethes tesserana* (Tortricidae).

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